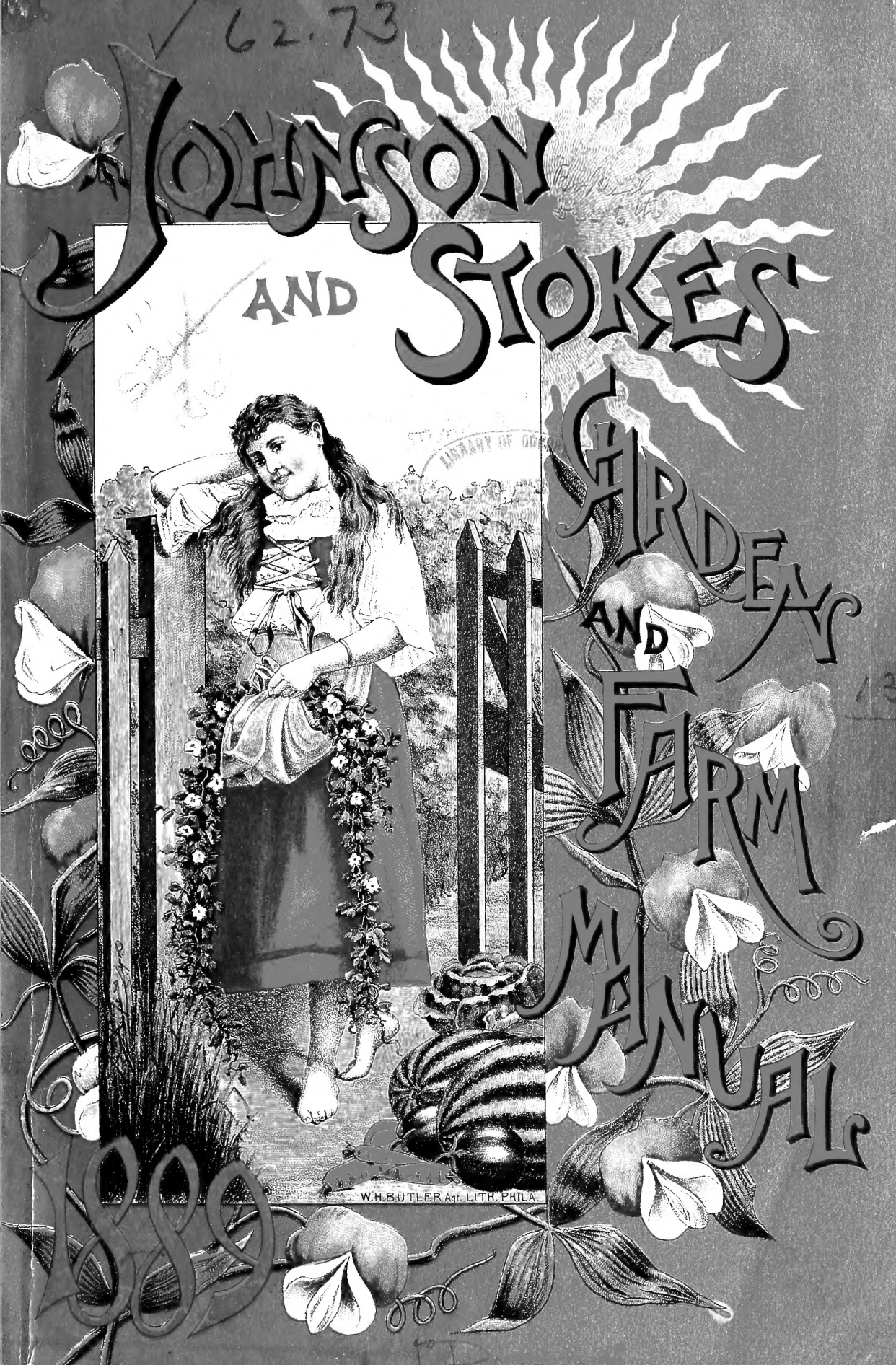


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JOHNSON
AND
STOKES'
GARDEN
AND
FARM
MANUAL
1889

W.H. BUTLER Agt. LITH. PHILA.

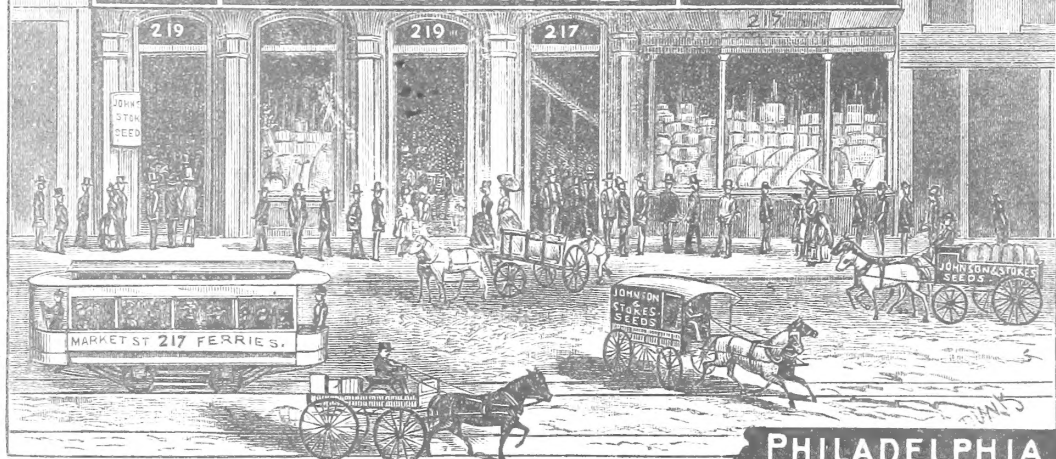
THE LARGEST SEED AND SEED WAREHOUSE IN THE EAST
 219 IMPLEMENTS 217

ACTUAL
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 48,000
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 FEET

JOHNSON & STOKES

GARDEN AND GRASS SEEDS

SEEDS. JOHNSON & STOKES. IMPLEMENTS.



PHILADELPHIA.

Nos 217 & 219 MARKET ST. EXTENDING THROUGH TO Nos 206 & 208 CHURCH ST.

FORWARD BY { State on this line whether wanted by Mail, Express, or Freight. }		Amount Enclosed.
YOUR NAME,	P. O. Order,	\$ _____
POST-OFFICE,	Postal Note,	_____
COUNTY,	Draft,	- _____
STATE,	Cash,	- _____
EXPRESS OR FREIGHT OFFICE,	Postage Stamps,	_____
	(2 ct. stamps preferred.)	
	Total,	- \$ _____
	DATE,	1889.

SEEDS POST-PAID BY MAIL.—At prices given in this manual, we send all **Vegetable Seeds** by the packet, ounce, quarter pound, pound, pint and quart, and all **Flower Seeds, by mail, postage prepaid**, and without any extra expense to the purchaser. If you order Vegetable Seeds by the pound, and Beans, Peas and Corn by the pint or quart, to be sent by freight or express, at your expense, you are entitled to deduct 8 cents per pound or pint, and 15 cents per quart from our prices.

 Please order Flower Seeds by the numbers. Extra order sheets furnished on application.

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A word with you

PHILADELPHIA, January 1, 1889.

It may seem strange to the thousands of gardeners who have planted our seeds year after year, that we should say even a word about their quality, as they speak for themselves. We, however, this season, through the medium of this Catalogue, desire to introduce ourselves to many whom we have not had the pleasure of knowing before. To these new friends we desire to say, that it is our constant aim and care to have every seed we sell as *perfectly pure and true to name, freshness and germinating power* as it is possible for human oversight to make it, and that our entire business is constructed upon principles that insure success to ourselves and to those who put their confidence in us. By these methods of care and caution we have built up the largest business of any house in the trade, direct with critical market gardeners and experienced planters, who cultivate for profit, and whose trade always seeks the source where the highest quality can be obtained. "*Our success achieved can only be maintained by the methods that obtained it.*" To our old friends we would say, that the year 1888 has been one of great business activity with us, so much so that, in February last, we were obliged to purchase the large warehouse, No. 217 Market Street, running through to 206 Church Street, adjoining our own, and have converted both into one mammoth building, doubling our facilities, and constituting the largest seed warehouse in Philadelphia, and the largest, with but one exception, of any in America. We are, therefore, better prepared than ever to give you good service. Wishing you a happy and prosperous New Year, we are,

Very truly yours,

JOHNSON & STOKES.

SEEDS.BY.MAIL

* * *

In ordering Vegetable Seeds to be sent by Mail, 8 cents per pound, or at this rate for the fraction, should be added, to cover postage, except where otherwise specified. We will, however, send packets and ounces at catalogue rates, free of postage.

BEANS, PEAS, CORN AND GRASS SEEDS,

when ordered by the quart or pound, to be sent by mail, 15 cents per quart or 8 cents per pound should be added to cover postage, except where otherwise specified.

C. O. D. Orders exceeding ten dollars can be sent C. O. D. by express, when twenty-five per cent. of the amount accompanies the order. We are obliged to add the extra express charges for the return of money on all C. O. D. orders. It is therefore less expense to the purchaser to forward full amount of money with order. Plants cannot be sent C. O. D., neither can goods be sent C. O. D. by freight.

CHEAP FREIGHT. Freight rates from Philadelphia to all points in the United States are now very low. Customers at a distance requiring large quantities of Garden and Field Seeds should order early, that their seeds can be sent this way, being cheaper than by express. Small orders, however, can often be sent as cheaply by express.

WE GUARANTEE ALL SHIPMENTS

of Seeds, Bulbs, Plants, Implements, Live Stock, etc., shall reach the purchaser safely and in good condition.



Cash should always accompany the order. We will be responsible for money sent us by Postal Note, P. O. Order, Bank Draft, Express or Registered Letter. Every postmaster is required to register any letter on payment of ten cents extra postage. The cost of remitting may, in all cases, be deducted from the amount sent. Amounts of one dollar or less may be sent by ordinary letter.

POSTAGE STAMPS THE SAME AS CASH.

When notes are not obtainable, or to make proper change, we accept postage stamps (two-cent stamps preferred) the same as cash.

ADDRESS ALL ORDERS TO

JOHNSON & STOKES

Nos. 217 & 219

Market Street, Philadelphia.



NOVELTIES

of STERLING MERIT.

Under this head will be found, honestly described, our Novelties for 1889, many of which are offered for the first time. After most thorough and exhaustive trials we have found them to possess high merit, being great improvements upon existing sorts of the same class. We take great pains each season to inform ourselves fully as to the true character of everything offered as new or superior, either in this country or Europe; for example, we tested the past season on our trial grounds, 415 new varieties, a majority of which we found to possess very little distinctive value or merit. All such are discarded at once, and our customers may rest assured that if they fail to find in our Manual any much lauded new variety, the probability is much greater that we have tested it and found it of little or no value than that it is unknown to us. It is our constant aim to gain and hold the confidence of all customers and assure them from disappointment.



—NEW LETTUCE.—

California All Heart.

The valley of Santa Clara, California, just south of San Francisco, has of late years been noted for growing the finest lettuce in the world. This new variety was sent us from there, with the request that we give it a trial. The originator, a prominent lettuce-grower, in sending us the seed, wrote: "*No praise is too high for its merits, as its superior does not exist.*" We are happy to say that after a fair trial by ourselves and several customers to whom we sent seed gratuitously, we can fully indorse his strong claims for the *California All Heart Lettuce*. It proved the best lettuce of twenty-two new sorts tested on our trial grounds. Its handsome shape and appearance are well shown in the above engraving, made from a specimen grown by us. Its shape is very distinct, heading up like a pointed cabbage and almost as solid, of a beautiful light-green shade, almost white and particularly rich and buttery in flavor; *very tender and sweet at all times*, never bitter. It grows rapidly, and we found it equally valuable for both spring and summer use. We have secured the originator's entire crop of seed. Pkt., 15c.; 2 pkts., 25c.; oz., 40c.; ¼ lb., \$1.25.



PROCOPP'S GIANT PEPPER.

This new variety may be justly called the Goliath of all the pepper family. They grow uniformly to a very large size. The shape is well depicted in our illustration above. They are of a brilliant scarlet color, flesh fully one-half inch in thickness. In flavor they are just hot enough to be pleasant to the taste. Each plant ripens from eight to twelve perfect fruits, from eight to ten inches long by three inches thick. Pkt., 10c.; 3 pkts., 25c.; oz., 60c.

WHAT THEY SAY OF California All Heart.

CHAS. SAALMAN, Egg Harbor City, N. J., writes: "The Lettuce No. 10 (California All Heart) you sent for trial proved to be of a superb quality. The most tender, finest flavor we ever tasted, heads solid and crisp, of fine large size."

MRS. SOPHIA SHY, Oakland City, Ind., writes: "The No. 10 Lettuce (California All Heart) is the earliest, largest and have more solid heads than any I ever raised."

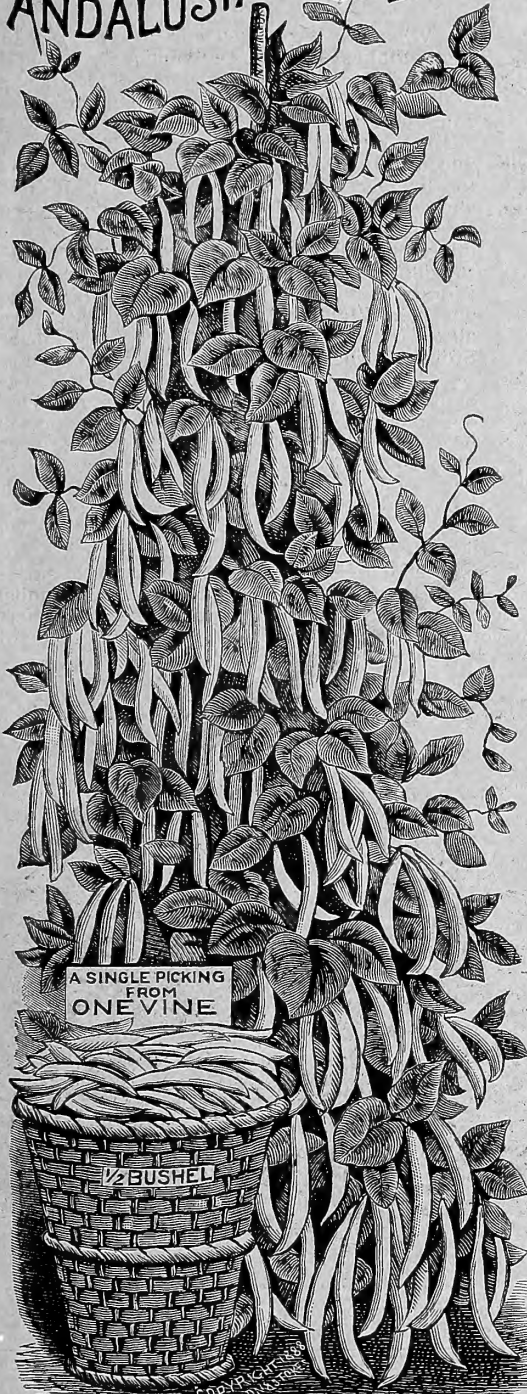
HARRY RICHARDSON, Maysville, Ky., writes: "The Lettuce No. 10 (California All Heart) cannot be equalled."

F. FARMER, Mingo Junction, O., writes: "Your No. 10 Lettuce (California All Heart) is the finest of all; it is fit for use sooner, and continues in eating condition longer."

CHAS. CARPENTER, Kelley's Island, O., writes: "The No. 10 Lettuce (California All Heart) planted by the side of the Deacon and other fine varieties proved to be the best."

M. J. MANGUN, Putnamville, Ind., writes: "Lettuce No. 10 (California All Heart) is the finest I have ever grown."

NEW GOLDEN ANDALUSIA BEAN



**MOST PRODUCTIVE
OF ALL POLE BEANS.**

Pkt., 15c.; 4 pkts., 50c.; 10 pkts., \$1.00.

NEW GOLDEN ANDALUSIA WAX BEAN.

This new bean, named and introduced by us last spring, has created a decided sensation among bean growers. Nothing we have ever introduced has brought us so many unsolicited letters of the strongest praise from all parts of the United States, only a few of which we have room to publish below. Hundreds pronounce it emphatically the *most valuable pole variety ever offered*. It originated at Andalusia, Bucks County, Pa., with a celebrated bean grower. Our illustration, made from nature, gives some idea of their *wonderful productiveness*, it being nothing unusual to pick over one-half bushel from a single vine at one picking. The pods are five to six inches long, broad, thick, very fleshy and *entirely stringless*, far surpassing all other varieties in this respect, and retaining these important qualities until almost ripe. The pods when fully grown are five to six inches long, exceedingly rich, buttery and fine flavored when cooked. The vines cling well to the poles, a very important feature, as on account of their enormous productiveness, the weight of a vine filled with such a mass of large pods is very great. They commence bearing their magnificent pods in great abundance when the vines are quite young, and continue to bear profusely the entire season. The beans when dry, are round as a bullet, pure white in color, and also make a fine shell or winter bean. In *great productiveness, fine quality and ever-bearing character they stand unequalled* by any other bean in the world. The stock of seed this season is so small that we can only offer it in sealed packages. We are sure, however, all who try it will return for seed next season, when we hope to be able to offer it in quantity.

PRICES FOR 1889: Pkt., 15c.; 4 pkts., 50c.; 10 pkts., \$1.00.

WHAT OTHERS SAY

THEY HAVE NO EQUAL.

FRED. GROFF, Joanna, Pa., Sept. 5, 1888, writes: "I cannot refrain from writing to you about the Golden Andalusia Beans. They are the finest I have ever grown and have no equal. They are more than you claim. I have yet the first packet of seeds from you to fail me. You shall have all my orders in future."

A PERFECT WONDER.

W. T. RICHEY, Dempseytown, Pa., writes: "The Golden Andalusia Bean I think is a perfect wonder; they excel any bean I ever raised."

AHEAD OF ANYTHING HE EVER SAW.

CHAS. T. COOK, Montville, Conn., writes: "I cannot speak too highly in favor of the Golden Andalusia Bean; they go ahead of anything I ever saw. The Crown Jewel are the earliest of potatoes; in sixty days from planting, I dug one bushel from one pound of seed."

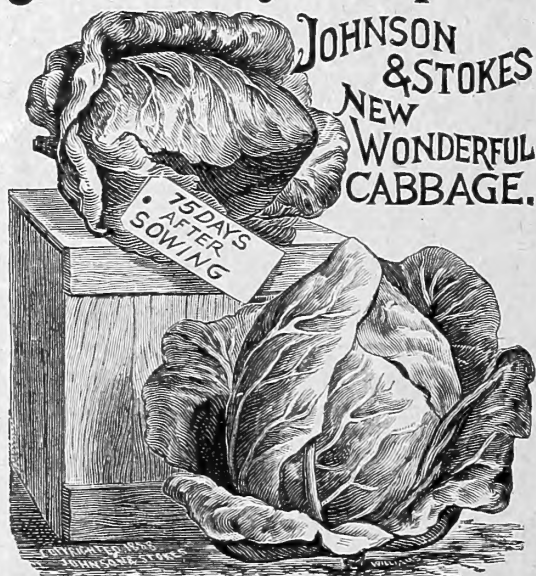
FAR SURPASSES ANY OTHER.

L. A. WALKER, Belknap, Ill., writes: "The Golden Andalusia far surpasses any bean I have ever seen for productiveness, quality and fine flavor. All seeds purchased of you are all you claim and more."

BY FAR THE BEST.

SARAH UEBLE, New Springfield, Ohio, writes: "The Golden Andalusia, I can safely say, are by far the best bean I have ever grown."

Johnson & Stokes' Wonderful Cabbage.

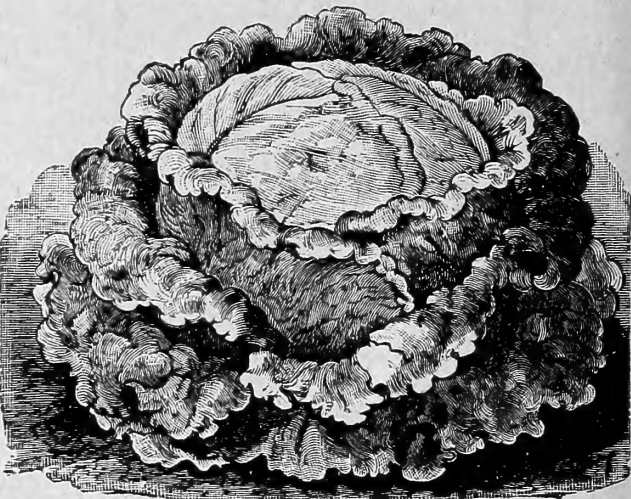


Cabbage, and believe that every customer who plants it will agree with us in pronouncing it a perfect wonder. Market gardeners try it, we guarantee you will not be disappointed in it. Prices for 1889: Pkt., 15c.; oz., 60c.; $\frac{1}{4}$ lb., \$1.50.

New White Russian Summer Lettuce.

THE MOST VALUABLE OF
ALL LETTUCES FOR THE
MARKET GARDENER.

In introducing this valuable new lettuce to our friends, we do so with the perfect assurance that it is a genuine new sort of invaluable merit, that has been tested by ourselves and by a few of our most intelligent market gardeners during the past season, with the most gratifying results. It is pre-eminently the best sort to withstand the extreme heat of our long, hot summer months, as it forms beautiful, large, solid heads, without showing the slightest disposition whatever to run to seed. The heads generally have to be cut before any seed stalk will appear. It is equally well adapted to early spring sowing. Of very rapid growth, with few outer leaves, in color it is a very light green, being almost white, and forms a *very large, solid head* of the finest quality. Several Philadelphia market gardeners who tested it last season were so highly pleased with it that they have already ordered a sufficient stock to last them two years—stock limited—order early. Pkt., 15c.; oz., 45c.; $\frac{1}{4}$ lb. \$1.25; 1b., \$4.50.



NEW WHITE RUSSIAN SUMMER LETTUCE.

*Reduced Postage
on Seeds.*

To enable the agricultural community to send direct to the regular seedsmen and growers that they may get good seeds as cheaply as those who live in or near our large cities, Congress, at its last session, reduced the postage on seeds, plants and bulbs to all parts of the United States to eight cents per pound, one-half the former rates. This liberal concession on the part of the Government will be appreciated by thousands of gardeners who have heretofore been obliged to depend on the village stores for their supplies, which rarely gave satisfaction, enabling them now to send away and get them from some reliable seedsmen, with less trouble and expense than to purchase the worthless stock which are hawked about the country, and left at the grocery and other stores to be sold on commission.



JOHNSON & STOKES
EARLY
ALABASTER CAULIFLOWER

"AMERICAN SEED OF AN AMERICAN VARIETY."

EARLIEST AND BEST.

JOHNSON & STOKES' NEW EARLY ALABASTER CAULIFLOWER.

This is the first season we have been able to secure enough seed of this most valuable new and distinct sort to offer it to the general public, our small crops of seed having been all engaged by Long Island market gardeners, even before the seed was taken out and cleaned. Our *Early Alabaster* was originally a sport from the finest German strain of the selected Dwarf Erfurt, one *extra fine* head appearing some *ten days in advance* of any other in the crop of one of the largest and most expert cauliflower growers on Long Island in 1881. The seed of this was carefully saved by him, and from it our stock has been brought up. Careful selections have been made each year, the type is fixed, and we confidently recommend this as *the earliest and best Cauliflower in the world*, and it is so pronounced by all growers of Eastern Long Island who have had it, and in Suffolk County, N. Y., where it originated, and where hundreds of acres are annually grown and shipped to market. Many of these men have told us they would not take Snow Ball, Erfurt, or seed of any other variety as a gift, as long as they could buy the *Early Alabaster*. It is suited for forcing as well as for growing in open ground, being of very dwarf erect habit, with short outer leaves. It can be planted as close as eighteen inches apart each way. It is a *sure header*, every plant forming a large, solid and perfect head of remarkably pure snowy-white color, of the finest table quality. All market and family gardeners, who have failed in growing this delicious vegetable, may rest assured that the trouble has come from either inferior or imported unacclimated seed, and should bear in mind that our seed of the *Early Alabaster* is *American grown*, and from it a crop of cauliflower can be grown as easily as a crop of cabbage, and with greater profit. *Try it.* Pkt., 35c.; 3 pkts., \$1.00; ¼ oz., \$2.00; ½ oz., \$4.00; oz., \$8.00. One ounce cauliflower seed will produce about 2500 plants, the crop of which would usually bring in this market \$300 to \$400.

A REMARKABLE CAULIFLOWER.

R. CLITHEROE, Ashton, R. I., writes: "The Alabaster Cauliflower is certainly remarkable; it surprised many people who had an idea cauliflowers could not be raised here. They are of very large size, and of very superior quality."

50 PER CENT LARGER AND FINER HEADS.

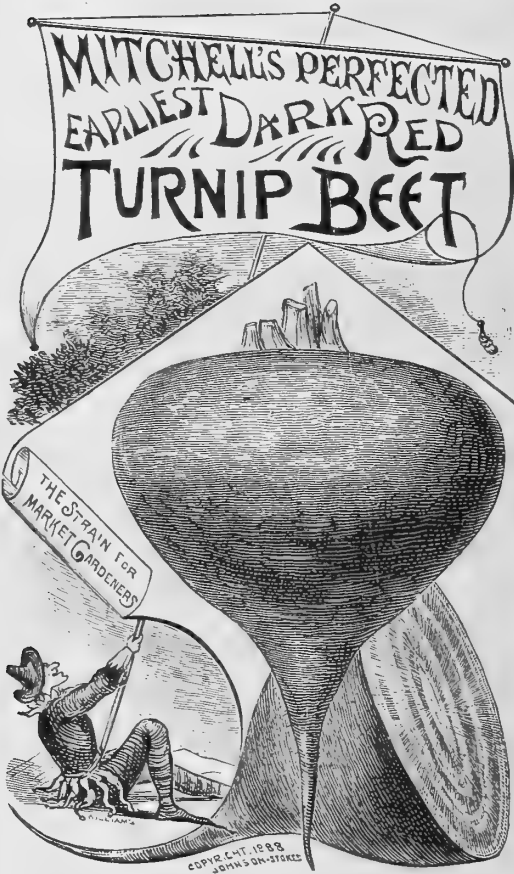
Mr. CHAS. VAUTIER, Magazine Lane, a leading Philadelphia market gardener, says: "The Early Alabaster Cauliflower I get from you produces fifty per cent. larger and finer heads than the Selected Dwarf Erfurt or Snowball, and I will also say that I have never had better Snowball than I got from you."

THE BEST EVER GROWN.

JOHN VAN DUSEN, Warren, Pa., writes: "Your cauliflower is very fine indeed, by far the best I have ever grown."

NOVELTIES NOT OVERPRAISED.

E. D. GIBSON, Ashburnham, Mass., writes: "I have had your seed for a number of years, and have found them true in name and quality. I find your novelties not overpraised, and that you do not send out old varieties under new names, as some do. When you get a new thing you tell us the truth about it."

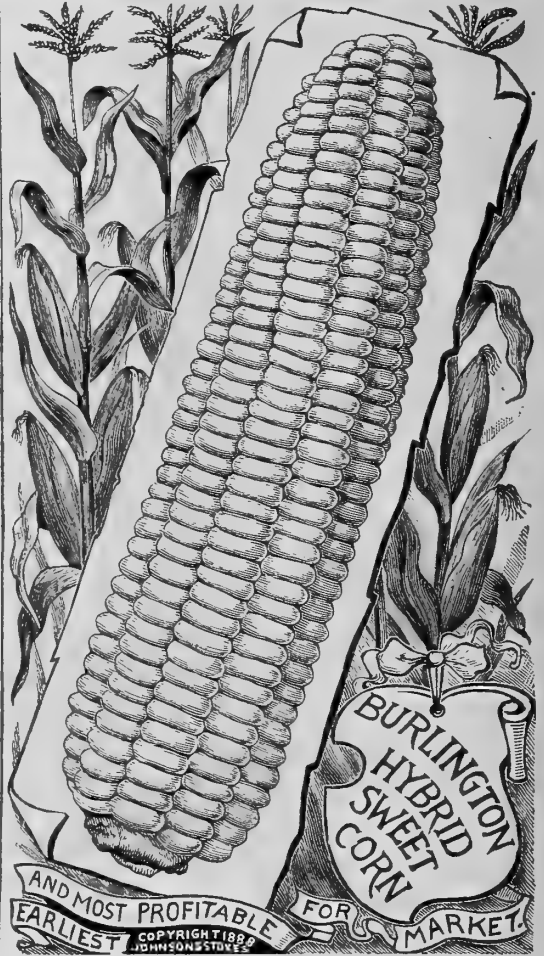


Mitchell's Perfected Earliest Dark Red Turnip Beet.

This unparalleled new variety, now offered to the public for the first time, was originated and selected by Geo. Mitchell, a prominent Philadelphia market gardener. It is entirely distinct from any other sort, and is without exception the *earliest beet* ever produced, while its table qualities are much superior to any variety with which we are familiar, either of American or foreign introduction. It has the color and small top of the well-known Egyptian variety, which admirably fits it for growing under glass, but unlike the latter, it is tender, sweet and juicy, even after it has lost its leaves from age. While the Egyptian has heretofore been about the earliest sort obtainable, it is a well-known fact that its poor quality often rendered it undesirable and that it is not marketable at all in its middle and later stage of growth, owing to its tasteless, hard, woody nature and disposition to crack open. These defects, as well as all others, are entirely absent in the *Mitchell Beet*, and we give it an unqualified recommendation to all those who wish to plant the *earliest* and *best* Dark Red Short Top Turnip Beet either under glass or in the open ground for private use or market purposes. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Snowflake Field Bean.

This valuable new variety was introduced last spring, by our friend Gregory, of Massachusetts. On our trial grounds it proved very much *earlier* and *more prolific* than either the common standard Pea Bean, or Prolific Tree Bean, which it resembles somewhat in appearance. The plant grows upright, holding its pods well up from the ground. They are borne in thick clusters and ripen all at once, as many as eighty well-filled pods appearing on a single vine, we believe it will eventually supplant all other varieties of White Pea Beans. Seed being very scarce we can only offer it in sealed packets this season. Pkt., 10c.; 3 pkts., 25c.; 7 pkts., 50c.



Burlington Hybrid Sweet Corn.

There is nothing in this Catalogue more worthy of the careful consideration of market gardeners than this new corn, and we feel highly gratified in being the first seedsmen to offer it to the public. It is not an untried Novelty, having been grown for several years, with great profit, by a few truckers of Burlington County, N. J., who have kept the stock closely guarded among themselves. For three years we have been trying to get enough seed to grow a crop, and did not succeed until last spring. It is a cross between Adam's Extra Early and some large-eared productive variety of sugar corn. Its great market value can be readily seen, from the fact that it is quite as *early* as the *Adam's*, with an ear *fully as large* as *Stowell's Evergreen*, and *more productive* than either, producing equal to the most prolific field corn. Although not legitimately a sugar corn, yet the husks, blades and ear in a green state exactly resemble the sugar varieties, and it sells readily in market as a sweet or sugar corn. It is, however, of much better eating quality than the Adams. When dry, the grain is smooth and of a creamy-white color. The stalks grow to a height of about five feet and very compact, admitting of closer planting than any other variety; the ears begin to set low down and are borne three to four to a stalk. Pkt., 10c.; pint, 35c.; qt., 60c.; peck, \$2.75.

A NEW
CANTALOUPE FROM PERSIA
THE HOME OF THE MUSK MELON



The PERSIAN MONARCH.

PACKET, 25 CENTS.
3 PACKETS, 60 CENTS.
6 PACKETS, \$1.00.

New Muskmelon, The Persian Monarch

* * * Now Offered in America for the First Time. * * *

The fact of this grand new muskmelon coming from Persia, the original home of the muskmelon, would probably be sufficient recommendation of itself for most of our customers to give it a trial, as some of our very finest and oldest varieties come from this same source. Muskmelons have been a hobby with us for years, as we think there is nothing more enjoyable and wholesome than a really good one. To gratify this hobby we have probably made more tests in this particular line than any other seedsmen in America. Through the kindness of our Foreign Ministers, United States Consuls and other correspondents, we have obtained trial packages of seed from all over the world. For the past three years we have, each season, tested on our trial grounds, some sixty varieties and, after thorough and exhaustive trials, we have selected *The Shah* (as it is called in Persia) or *Persian Monarch* as decidedly the best of all, being much the richest in quality, in fact *unapproached by any other*, either foreign or American, in delicious flavor, wonderful productiveness, hardiness and distinctive handsome appearance. The melon in the above illustration was made from nature and, as will be seen, the flesh is much thicker and rind thinner than in any other or, as a friend remarked in testing their quality, "*There is three times as much eating in one of these melons as in any other, and good eating, too, fit for the gods.*" They grow to medium size but, owing to the great thickness of their rich salmon-colored flesh, will weigh about three times as much as any other melon of equal size. Their great productiveness is shown in the fact that our whole crop averaged seven melons to the vine. We have introduced, in former years, some excellent muskmelons, among them the *Golden Gem* and *Princess*, both of which are celebrated for their fine quality, but desire to say right here that the *perfection of muskmelons* is only reached in the *Persian Monarch*. We regret to say our supply of seed of this *superb novelty* is so limited that we can only offer it this year in sealed packets, and cannot sell more than six packets to any one purchaser. Prices, *pkt., 25c.; 3 pkts, 60c.; 6 pkts., \$1.00.*



See also Colored Illustration, Painted from Nature, on the Back of this Book.

ATLANTIC * PRIZE.

The Very Earliest of all Tomatoes.

In placing this new tomato before the public, for the first time, we do so with the fullest assurance that it is the *most valuable variety ever introduced*, and is sure to come out ahead of all others. It is the result of many years careful selection by one of the most successful tomato growers of Atlantic County, New Jersey, who, to our certain knowledge, has for a few years past shipped, to New York and Philadelphia markets, fine large tomatoes, fully *two weeks ahead* of all competitors, being the first Northern fruit that has reached those markets, and selling at from three to four dollars per basket. His first shipment in 1888 reached Philadelphia June 23d, having been picked the day previous, while such varieties as Paragon, Acme, Favorite and Beauty did not begin to arrive from the same section until about the middle of July, selling then at seventy-five cents per basket. The vines grow strong, stiff and very rapidly, setting the crown fruit when quite young, the buds appearing before the plant is four inches high. The fruit is borne in immense clusters of ten to twelve, as shown in our colored illustration on the back of this book, which is a perfect representation, painted by our artist from nature. Each vine produces from sixty to eighty large perfect fruits, very solid and of the finest quality, being unusually free from core and seeds. Another great feature, besides extreme earliness, about this wonderful tomato, and one which must prove of great advantage to market gardeners, is that when first fruiting it ripens more evenly and abundantly than any other tomato known. We control this season the originator's entire stock of seed, and can only offer it in original sealed packages. Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.

The Newcom Radish.

In this new radish, which we first introduced last spring, we have a *most valuable variety*, and in describing it do not think we can do better than to quote the following from a letter written us by that well-known practical market gardener, Mr. Theo. F. Baker, ex-President of New Jersey Horticultural Society, and a reliable authority on gardening, from whom we obtained our original seed. He writes:

"I have known the Newcom Radish for twenty-five years. It was held by one man for a number of years, until I purchased radishes in the market and set them out again and secured seed in that way, as he refused to sell seed. They are the earliest and largest white radish in cultivation to-day. I have grown all varieties ever introduced that came under my notice, and in the comparison the Newcom came out ahead. I have grown Strasburg and Stuttgart alongside, but they don't compare. The past season I planted, same day (March 21st), Long Salmon, Newcom and Chartier. Resulted in radishes fit for market May 10th, Long Salmon and the Newcom both on the same day, the Long Salmon bringing three cents per bunch, and the Newcom five cents, with double the demand for the Newcom. The Salmon were only fit to pull for a few days, and then became pithy, while the Newcom was fit to market until June 4th, or twenty-five days from first pulling, which is longer than any other I can find. It stands heat and drought best of all, and stands up longest in the market. Small top and slow to run to seed, usually a shy seeder, unless transplanted."

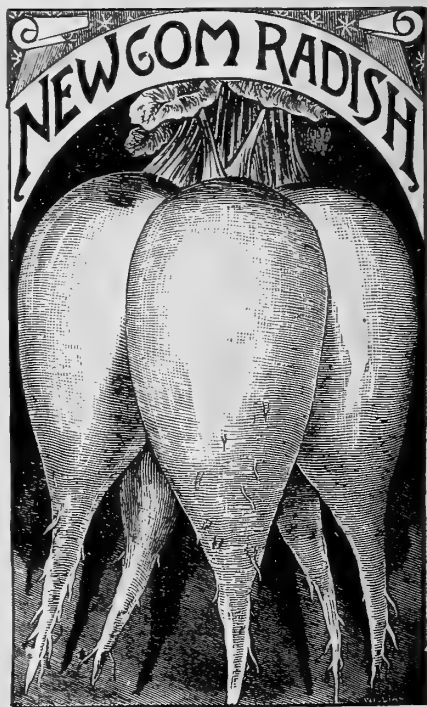
Pkt., 10c.; oz., 20c.; ½ lb., 50c.; lb., \$1.50, post-paid.

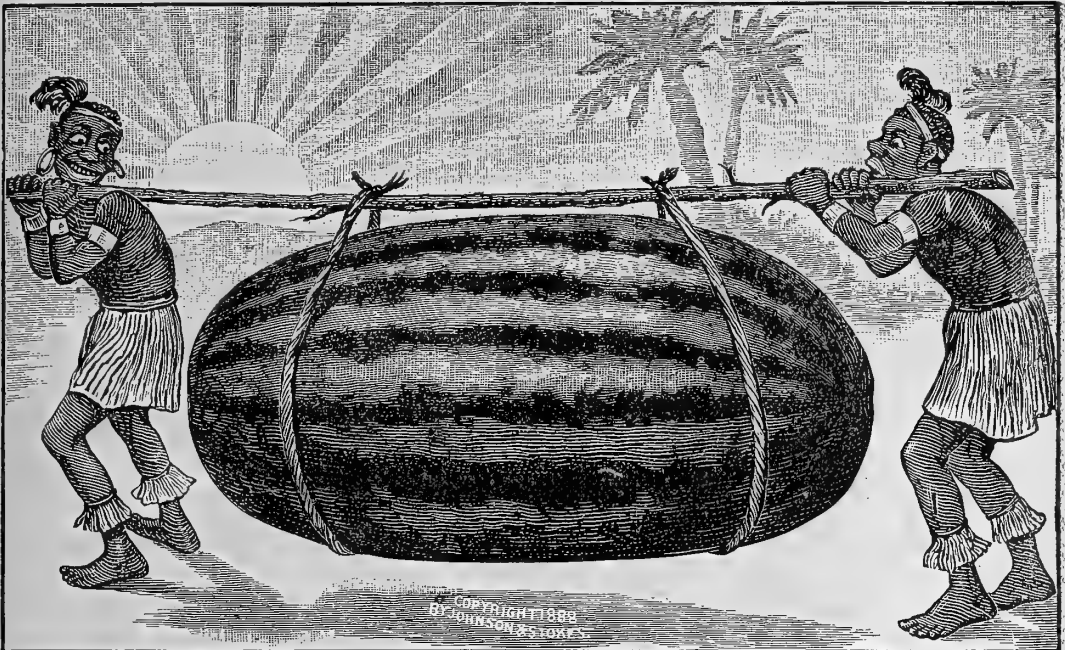
A Few Other Opinions of the Newcom.

HARVEY SMALL, Little Falls, N. Y., writes: "The Newcom Radish is the finest ever seen in this market."

T. S. PYLE, Whitewater, Ind., writes: "The Newcom Radish grows large and quickly, remains tender and sweeter longer than any I have ever grown."

G. M. REDFERN, Reno, Ill., writes: "The Newcom Radish is pronounced the most excellent of all varieties, by myself and all my neighbors."





A FINE SHIPPER	THE LIBERIAN WATER-MELON	FROM AFRICA OF DELICIOUS QUALITY
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A GRAND NEW WATERMELON—THE LIBERIAN.

We are always anxious to give our customers the best of everything, and in offering this new variety believe we not only have a great surprise for them, but a *genuine prize*. It is the best foreign water-melon we have ever propagated, and too much cannot be said in its praise. The original seed came from *Liberia*, on the coast of Africa. It is now thoroughly acclimated, having been grown for a few years past by several New Jersey truckers, on the east shore of the Delaware River, who have always realized *handsome prices* for the melons in New York and Philadelphia markets, where they are much sought after, and sell in preference to all other watermelons. These growers have heretofore entirely controlled this melon, and grow it to the exclusion of all other varieties.

The above illustration was made from our artist's imagination, except the melon itself, which was made from nature, and shows the exact shape. They grow *uniformly* to a *very large* size, with dark green skin, slightly striped with a shade of lighter green; very handsome, distinct and showy, always possessing a pleasing, fresh appearance; although the rind is quite thin, it is an *excellent shipper*. The handsome scarlet flesh is pronounced, by all who have tested it, the *richest and sweetest* flavored of all the large varieties of watermelons. Although we were obliged to pay a very high price to secure the stock, we offer the seed at very reasonable prices. Pkt., 15c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Scarlet and Violet Flageolet or Perfection Wax Beans.

These varieties were brought from Germany several years since; as grown there the Flageolet Wax consists of a mixture of two varieties—one with light scarlet beans, while those of the other are much darker red, or violet-colored. In character of growth of vine and pod they do not differ very materially. Both have very vigorous, strong-growing vines, bearing *very large*, long, flat and tender wax-like pods. Their immense size and beautiful color make them very attractive in the market. For some years a few of these beans have been offered in market, and have always commanded nearly double the price of common wax beans, and although not quite so early as other sorts, they mature in good season. The Scarlet Flageolet is a little the earlier and more productive, but the Violet has larger pods. These two varieties as offered by us are quite distinct, and have been established by years of selection. They are offered by some seedsmen under other names, as "*Scarlet*" and "*Perfection*".

Wax. We recommend them as among the largest and most showy dwarf wax beans in cultivation.

SCARLET FLAGEOLET WAX, pkt., 10c.; pint, 35c.; qt., 60c.

VIOLET OR PERFECTION WAX, pkt., 10c.; pint, 35c.; qt., 60c.

THE SPANISH KING, OR PRIZE TAKER ONION.

THE ONION FOR PROFIT. Has yielded 1127 bushels per acre, from seed, netting the grower, at \$1.20 per bushel, \$1352.40.



Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

and profitable variety they have ever grown. Our engraving is an exact representation of a fine specimen, and shows their handsome shape. The outside skin is of a rich yellow color, while the flesh is white, and so sweet, mild and tender that they can be eaten raw like an apple. They bottom well, are free from stiff necks, and have produced more bushels of marketable onions to the acre than any other variety known in America. The seed we offer this season, is grown for us by a reliable Spanish grower, near Barcelona, Spain.

The well-known agricultural paper, *Orchard and Garden*, December, 1887, contains the following in its notes on onion tests:

"We grew twenty-three varieties from seed, side by side, the past season. Among all these, the *Spanish King*, introduced by JOHNSON & STOKES, was the only one with which we were entirely satisfied, and had we sowed the whole patch with this, the product would have been four times as large as it actually turned out. The bulbs were by far the largest of all, and among the rest we had Silver King and a number of other Mammoth sorts."

Prices for 1889: Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



JNO. BANSCHER, Jr., Freeport, Ill., writes: "Your Spanish King Onion is by far the largest, finest and sweetest I ever grew; for twenty-two years I have raised onions, but the best could not equal these."

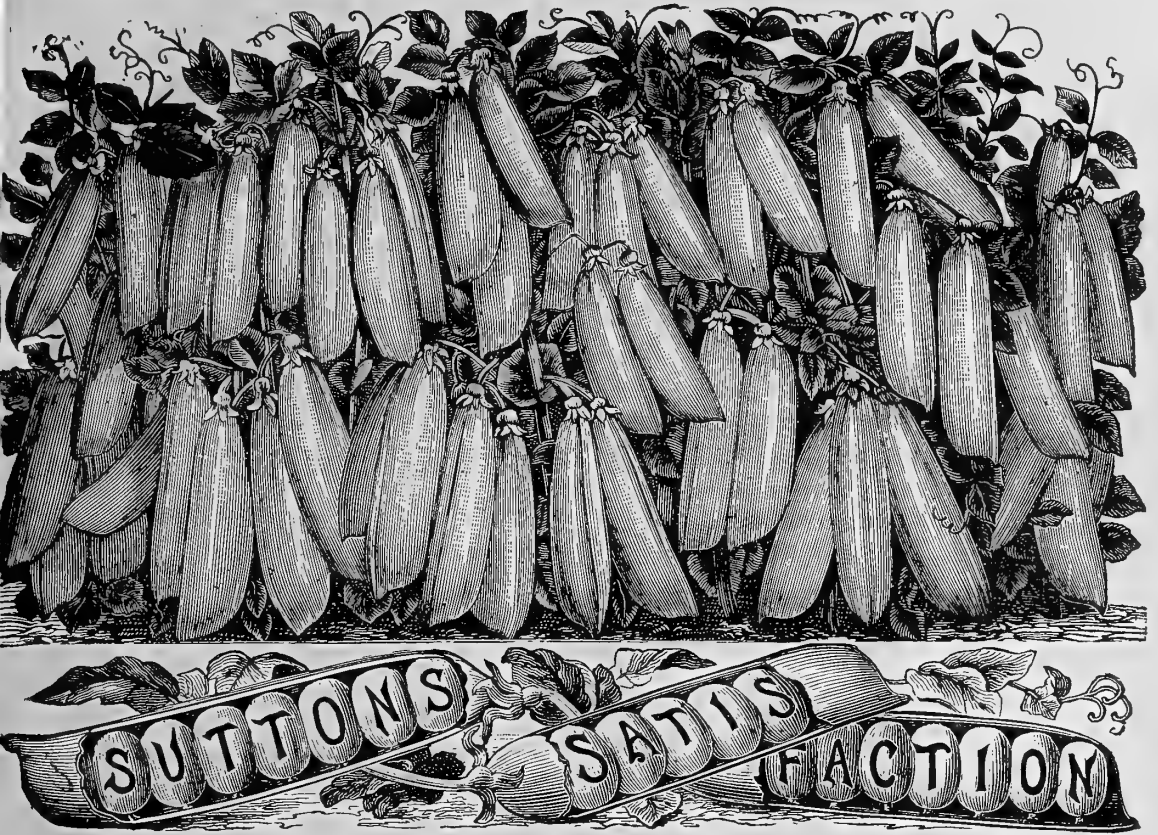
W. H. MITCHELL, Hillsville, Va., writes: "Short Stemmed Drumhead Cabbage and Spanish King Onion were a grand success, especially the onion, which surpassed everything in the onion line ever grown in this part of the country."

This new and handsome variety is a splendid type of the celebrated Spanish fancy onions, which are annually imported into the United States from Spain, and sold by confectioners and fruiterers in our large cities, at from twenty-five to fifty cents each, and even higher. For three years we have each year succeeded in securing a small quantity of this seed, which we distributed among our customers. The results have been astonishing, as the onions grown here quite rival the imported ones, in great beauty and enormous size, weighing in many cases from three to four pounds each, one magnificent specimen sent in this season reached the enormous size and weight of five pounds and two ounces, far eclipsing in size and beauty the *Silver King*, *Giant Rocca*, *Tripoli*, and other fine Italian sorts. We have received hundreds of testimonial letters from the growers, who all agree in pronouncing the *Spanish King* the largest, handsomest and most wonderful

A. C. BEGLEY, Wallace's Switch, Va., writes: "The Spanish King Onion far surpasses any onion I have ever grown. From the sowing of two ounces, I harvested eight teen bushels. I think every seed came up. The onion is of a fine flavor, large, brittle and delicious. They are the onion." G. W. TINDALL, Upper Alton, Ill., writes: "Your Spanish King Onions were extra fine, while on exhibition were admired by all, and took first premium. Silver King are also very good, but not so large and good for keeping purposes."

MRS. C. W. FLETCHER, White Eyes Plains, O., writes: "Spanish King Onion is superior to any I ever planted. All seeds are what you claim, they are of the choicest quality. I received better filled packets and more extras than from any other firm."

JOHN TON, Fernwood, Ill., writes: "Your Spanish King Onion proved first-class. I will have at least one hundred bushels, the finest I ever saw."



New Wrinkled Pea—Sutton's Satisfaction.

Encouraged by the success of our introduction to the American public, a few years since, of the New English Peas, *Stratagem*, *Telephone* and *Pride of the Market*, we sent to England and obtained seed of several more, new English sorts, which were highly recommended by the English seedsmen. This variety from the Messrs. Sutton, the largest retail seedsmen of Great Britain, has proven the best of all the English varieties we have ever tested. Their table qualities are the *most toothsome and delicious flavored* of any known variety of either American or foreign origin. This is *high praise*, but does only justice to the *Satisfaction Pea*. The vine grows vigorously to a height of about two feet, requiring no brush or sticks to hold them up, being very stocky and robust, and literally filled with large *showy pods*, as shown in our illustration above, which almost hide completely their dark green foliage. They follow closely our best Extra Early sorts, being ready for the table in *fifty-six days* from germination, and *continue in bearing longer* than any other Early sort. The peas when green are unusually large and of fine deep green color; when dry are very distinct in appearance, being much more wrinkled than any other sort and of a peculiar delicate green. *Sutton's Satisfaction* has come to America to stay, not half way up the ladder, but at the *very topmost round*—your garden will not be complete without them. Pkt., 25c.; 3 pkts, 60c.; pint, \$1.00.

We distributed gratuitously last spring a few packages for trial among some of our largest pea growers. Read below *what they say*:

A Satisfactory Pea is Sutton's Satisfaction.

UNEQUALLED IN QUALITY AND PRODUCTIVENESS.

LORENZO G. AUSTIN, Randolph, O., writes: "Your new pea, *Sutton's Satisfaction*, were the finest of all. Excellent in every respect, they are unequalled in delicious quality and wonderful productiveness. Very large in size, some measuring over one-half inch in diameter. I want more if you have any for sale."

IT HEADS THE LIST.

D. J. PIPER, Forrester, Ill., writes: "The new pea, *Sutton's Satisfaction*, heads the list of peas on my place, they bear an enormous quantity, and are A No. 1 for table use."

FINEST AND SWEETEST.

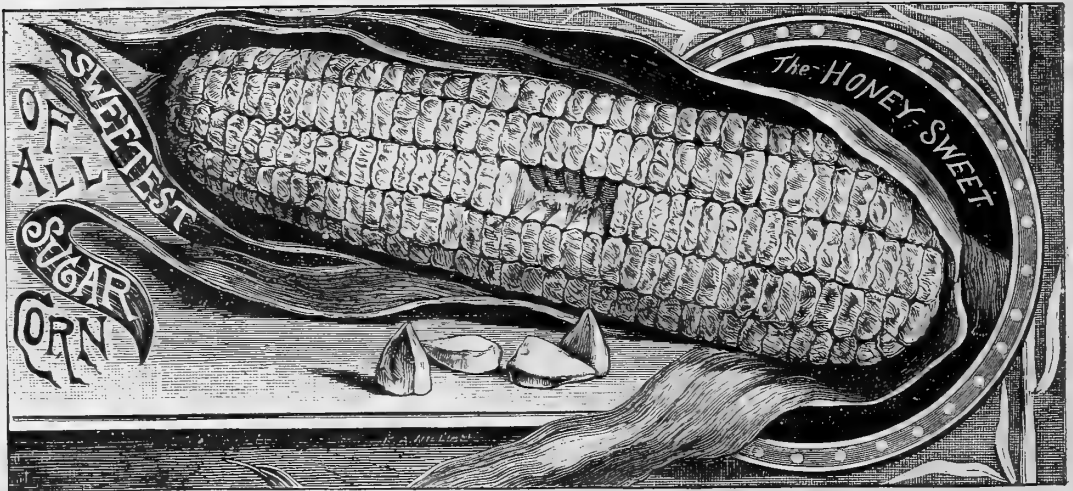
GEO. B. EVANS, Lower Salem, O., writes: "*Sutton's Satisfaction* I can truly and honestly recommend as being the finest and sweetest pea I ever ate. Neither have I ever seen such beautiful beans as the *Golden Andalusia*. You shall have all my orders in future."

THE VERY BEST.

J. A. DABOLING, Corsicana, Mo., writes: "I have thoroughly tested your new *Sutton's Satisfaction* Pea and find it to be as good as represented. I can cheerfully recommend it as the very best."

SUPERIOR TO ANY EVER GROWN.

J. O. LANGLEY, Farmer City, Ill., writes: "I pronounce *Sutton's Satisfaction* superior to any pea I have ever grown. Your *Christmas* and *Miller's Cream* melons were also very fine."



Engraved from Nature. Pkt., 15c.; pint, 40c.; qt., 60c.; peck, \$3.00.

A New Sugar Corn, THE HONEY.

Nothing we have ever introduced has elicited from both market and family gardeners such enthusiastic praise in all parts of the country. It is pronounced, by every person who has eaten it, the *sweetest of any they have ever tasted*. It originated with a German market gardener near Allentown, Pa., who had the reputation of bringing the finest and sweetest corn to that market, for which he realized fabulous prices. In growth and appearance it is unlike any other variety, the husks and stalks being of a deep red color during growth, while the corn itself is of a beautiful cream white, much shrivelled when dry, and having the *deepest grain and smallest cob* of any known variety. It is also a most productive variety, bearing three to four good large ears to a stalk, growing vigorously and coming in as early as Moore's Concord. In our extended experience we have grown every known variety of sugar corn, but have never found a variety possessing so many desirable qualities as *The Honey Sweet*. No market or private garden is complete without it. Pkt., 15c.; pint, 40c.; qt., 60c., post-paid; peck, \$3.00, by freight or express.



NONE SUCH AS HONEY SWEET.

A. A. CONNER, Bucyrus, O., Sept. 17, 1888, writes: "No such corn as the 'Honey Sweet' was ever grown here before; it grew in every sense as represented in your Farm Manual. That which we sold green gave double satisfaction, received twenty-five cents per dozen, and could hardly retain it at that price. There will be a great demand for it here next year."

COULD NOT BE BETTER.

KATE G. GOOD, West Willow, Pa., writes: "The Honey Sweet Corn is indeed No. 1; could not be better."

THE BEST HE EVER SAW.

H. M. CLARK, New Britain, Conn., writes: "Your seeds are all A No. 1, fully up to the strong recommendations my brother gardeners give them. The Honey Sweet Corn is the best I ever saw, and the Crown Jewel Potato was the earliest of five different kinds I planted, besides being very prolific."

FOUR TO SIX EARS ON A STALK.

WM. G. SICKES, Stuyvesant, N. Y., writes: "The Honey Corn is the sweetest I have ever eaten, with four to six ears on a stalk."

A BIG IMPROVEMENT.

ROBT. E. MAYO, Waretown, N. J., writes: "The Honey Sweet Corn I find is a big improvement for earliness and quality on my old standard."

AS SWEET AS HONEY.

NORMAN WOODRUFF, Black Lick, O., Aug. 20, writes: "The Honey Sweet Corn cannot be excelled; truly as sweet as honey."



Tomato Egg-Plant.

This curious plant was first discovered two years ago by Mr. Wm. C. Loder, a New Jersey trucker, growing in a field of egg-plants. The vine has every appearance of the egg-plant, even to the prickly stem and leaf, but fruits from forty to sixty bright red solid tomatoes, as shown in our engraving. It is unquestionably the greatest curiosity in the vegetable kingdom that has ever come to our notice; exceedingly ornamental and worthy of a place in either the flower or vegetable garden. Try it. Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.



Copyright, 1888, by Peter Henderson & Co.

Henderson's New Bush Lima Bean.

This valuable vegetable novelty is now offered to the public for the first time by ourselves and our friends, Peter Henderson & Co., from whom we have obtained our supply of the beans.

Thousands have been deterred from cultivating the most delicious of vegetables—the Lima Bean—from the great trouble and expense of procuring poles on which to grow them. This is now a thing of the past, as the *New Bush Lima* grows without the aid of stakes or poles, in compact bush form, from fifteen to eighteen inches high, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden bush beans.

The *New Bush Lima* is at least two weeks earlier than any of the climbing limas. This fact alone would stamp it as the most valued novelty of recent years, but when in addition to this we realize that it is a true bush bean, requiring no supports, some idea of its great value can be realized.

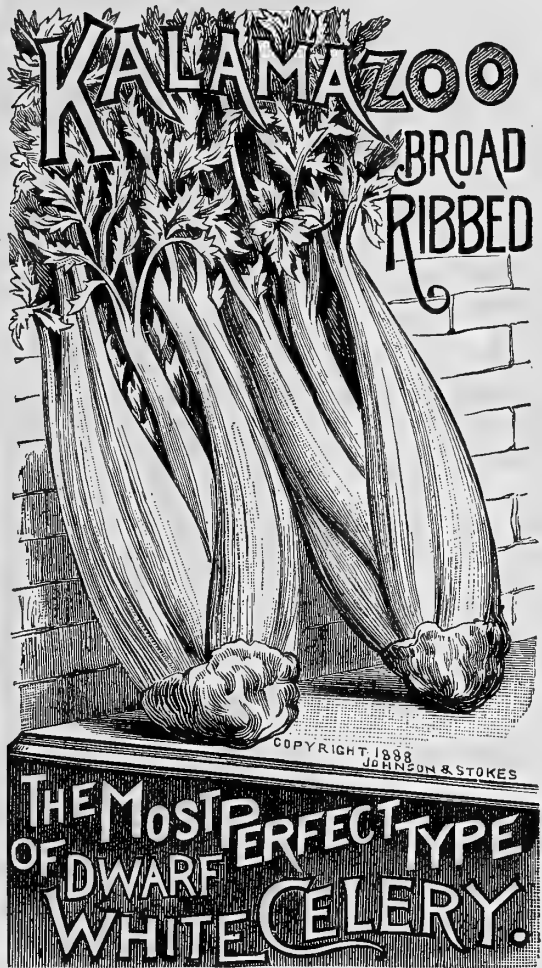
It produces a continuous crop from the time it comes into bearing until frost, and being enormously productive, a very small patch will keep a family supplied throughout the season. Twelve packets will plant five rows, each fifty feet long, which is ample for an ordinary family.

The stock being quite limited, it is offered in sealed packets only, with the trade-mark label of the introducers. Prices: pkt., 25c.; 5 pkts., \$1.00; 12 pkts., \$2.00.

Parsley.—Market-Gardeners' Best.



over it, and justly so, as the best points yet obtained in parsley have certainly been reached in the *Market-Gardeners' Best*. The plant is of very robust and free growth, and is greatly improved by severe cutting. The leaves are large and beautifully curled and of a very dark green hue, and very fine for either open ground or frame culture. *It stands heat, drought and cold better than any other sort we ever saw.* The whole appearance of the plant is very handsome and it certainly is "*the parsley for the market gardener.*" Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.



KALAMAZOO BROAD RIBBED CELERY.

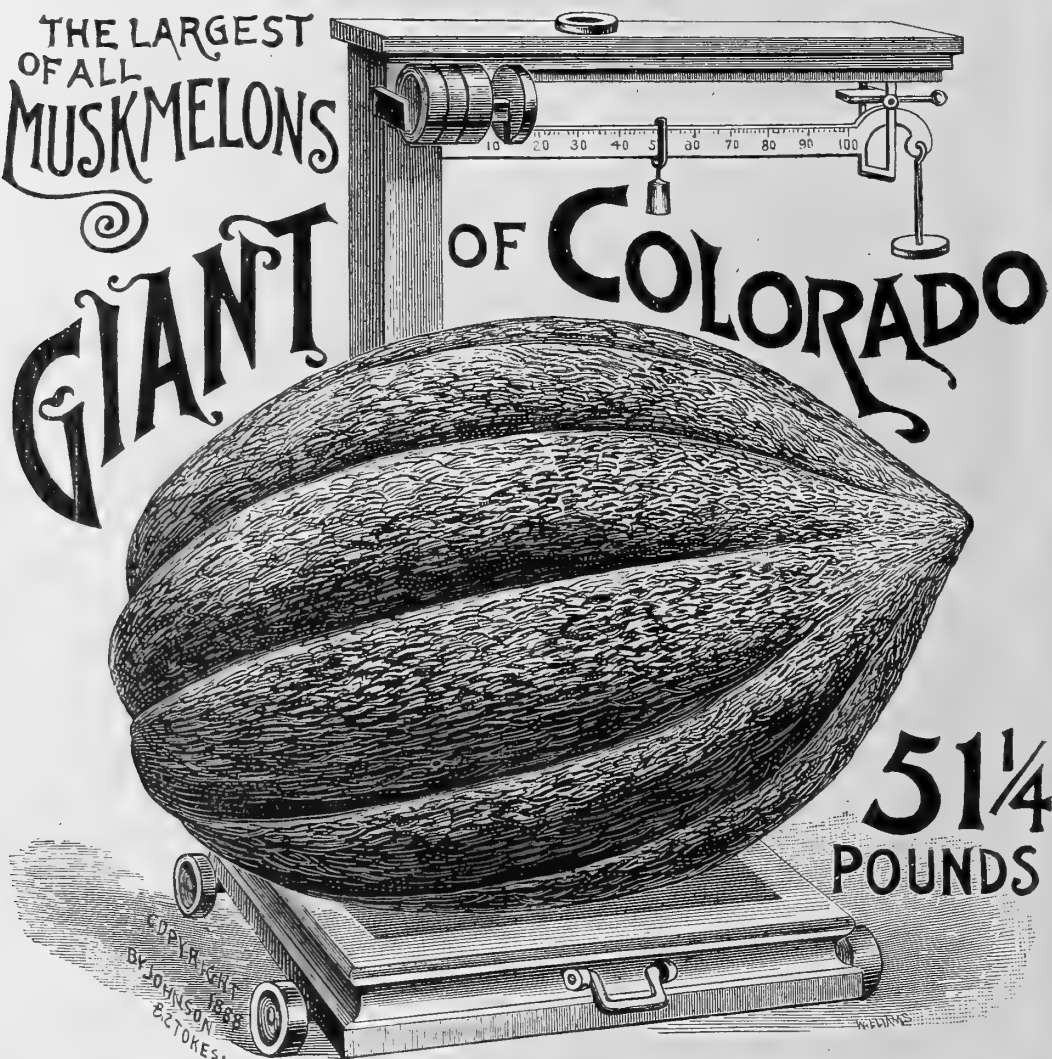
This new variety, now offered for the first time, originated with a prominent celery grower at Kalamazoo, Michigan, and is pronounced by what few gardeners who have been fortunate enough to obtain the seed: "*The most perfect type of Dwarf White Celery known.*"

It is very distinct and handsome, of a beautiful cream-white color throughout, attains a very large size, of quick growth, stiff and close habit (as shown in our illustration), is remarkably solid, crisp eating and fine flavored. Ribs are very broad, thickly and closely set, while by reason of its neat growth and showy appearance, it is a specially valuable variety for market. It is also a first-class keeper, remaining fit for use as long as the Golden Dwarf and other good keeping sorts. For the use of hotels, restaurants and other large establishments it is superior to most other kinds, there scarcely being any waste in dressing it for the table. It has such a distinctive appearance in growth as to cause almost every one seeing it to exclaim: "What celery is that?" Long rows of it being as level and even as though each plant had been shaped in the same mould. It is sure to take the lead and market gardeners and private planters will make no mistake in planting it largely. Pkt., 15c.; oz., 40c.; ¼ lb., \$1.25; lb., \$4.00.

THE LARGEST
OF ALL
MUSKMELONS

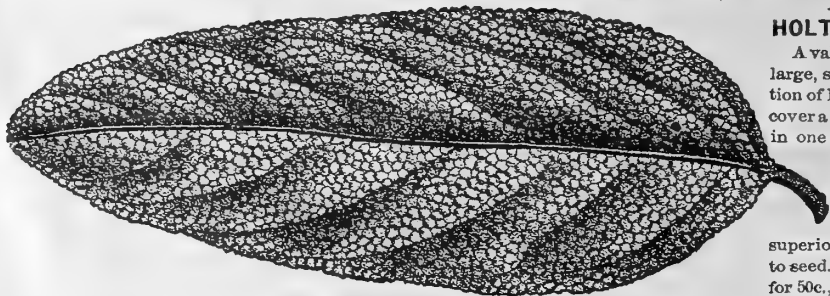
GIANT

OF COLORADO



51¼
POUNDS

The seed of this new melon, now offered for sale for the first time, was discovered by one of our representatives while travelling in Colorado; the grower claimed that he had frequently grown them to weigh fifty pounds and over, and owing to their *delicious flavor and quality* were quite noted and much sought after in Denver and other home markets. We have found these claims fully substantiated after an exhaustive trial, and can honestly recommend them as the *largest and most showy of all muskmelons*, well suited to heavy soils, and growing uniformly as large as good-sized watermelons. The flesh is green, melting and sugary. Our engraving above, made from a magnificent specimen which turned the scale at fifty-one and one-fourth pounds, will give some idea of their great size, handsome shape and appearance—as an exhibition variety they are unequalled. If you want to astonish everybody, include a packet of the *Colorado Giant* in your order. Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.



LEAF OF HOLT'S MAMMOTH SAGE.

A GOOD THING. HOLT'S MAMMOTH SAGE.

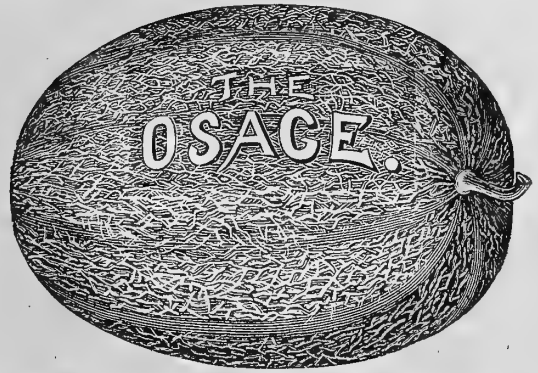
A valuable, new variety of very large, strong growth (see illustration of leaf opposite), single plants cover a circular space of three feet in one season. Perfectly hardy and a decided improvement on the ordinary sage, being much larger, stronger in flavor and superior in quality, never running to seed. Price, 3 plants for 25c., 7 for 50c., 15 for \$1.00, by mail, post-paid.

The Brandywine, or No. 45 Tomato.

Two years ago a customer in Ohio sent us a small package of tomato seed, requesting us to give it a fair test on our trial grounds. A few plants were set out along with forty-five other varieties, we were testing, both new and old; this being the last on the list, was numbered 45. To our astonishment, it completely eclipsed, in great size and beauty, all other varieties we were testing, several specimens when ripe weighing *over three pounds each*, as smooth as an apple and remarkably solid. To still further test this tomato, we sent a few packets to tomato specialists, requesting them to report on its merits. The name given it was suggested by our friend, Thos. H. Brinton, of Chadd's Ford, Pa., who has probably grown and tested more varieties of tomatoes than any other person in the United States, who wrote September 25th, 1888: "The more I see of the Tomato No. 45, the more I am pleased with it. It is certainly a magnificent new and distinct variety, and worthy of the name of '*Brandywine*,' after that most beautiful of all streams, which flows near our Quaker village. It is also spoken of in the highest terms by all to whom I gave a few plants for trial."

We have not illustrated this new tomato, as had we given it a larger notice, we are afraid we would not have had half enough seed to go around.

With two such handsome varieties as the *Atlantic Prize for early*, and the *Brandywine for late*, no garden could fail to give a bountiful supply of delicious tomatoes the entire season. Pkt., 20c.; 3 pkts., 50c.



THE OSAGE MUSKMELON.

This new variety, offered last season for the first time, has created quite a stir in Chicago and other Western markets, where it sells at double the prices of any other variety. It has been quite extensively grown and the stock held in the control of a few growers in the vicinity of Benton Harbor, Mich., from whence it was shipped to Chicago. *The Osage* grows to medium size and is egg-shaped, as shown in our illustration. The skin is very thin, of dark green color, and slightly netted. The flesh is of a salmon color, *remarkably sweet* and spicy in flavor, extremely thick, and delicious to the rind. The seed cavity is very small. All lovers of fine melons should try *The Osage*. Seed scarce. Pkt., 10c.; oz., 60c.; ¼ lb., \$1.75; 1 lb., \$6.00.

The Madrid Giant Onion

SEE COLORED PLATE AND PAGE 16.



LEE STILL, Spring Mountain, O., writes: "The new onion No. 5 (*Madrid Giant*) sent for trial, last spring, has produced the largest and finest onions I ever grew, far surpassing the Silver King, Giant Rocca, and Large Wethersfield. In size, quality and productiveness, it stands unequalled."

M. L. WRIGHT & SON, Jacobs Creek, Pa., writes: "We were more than surprised with the onion No. 5 (*Madrid Giant*) you sent us. They grew larger from seed than the common sorts did from the sets."

MRS. I. L. WHITE, Oneida, Ill., writes: "The new No. 5 onion (*Madrid Giant*) takes the cake, and have come here to stay. They are very smooth and round, not strong; for eating purposes they are the best. I have had them to weigh three and one-half pounds, and measure over twelve and one-half inches round."

GEO. B. BOGART, Putnam, O., writes: "The onion No. 5 (*Madrid Giant*) went far beyond our expectations, grows enormously large and beautiful."

GEO. H. SMITH, New Britain, Conn., writes: "Onion No. 5 (*Madrid Giant*) you sent for trial, is by far the best of onions. They are of a uniform size, measuring about eight inches through. The flavor is not too strong, they are about what the doctor ordered."

WM. H. BACHMAN, Silver Run, Md., writes: "The new mammoth onion No. 5 (*Madrid Giant*) are the largest yielders. Have some that measure over fifteen inches in circumference."

L. M. OSKIN, Gentryville, Ind., writes: "Onion No. 5 (*Madrid Giant*) was the largest and finest we ever raised from seed."

B. MARTIN, Brighton, Ill., writes: "The onion No. 5 (*Madrid Giant*) goes ahead of any I ever saw."

ELIZA STANLEY, Saline Mines, Ill., writes: "I have purchased your seeds for over four years and have never had a failure. Onion No. 5 (*Madrid Giant*) did well, they grew as large as teacups, finest we ever saw."

Market Gardeners' Cabbage No. 2.

SEE COLORED PLATE AND PAGE 16.



ALFRED M. FAIRHURST, Emerson, Ind., writes: "There is no use talking, your new *Market Gardeners'* No. 2, beats all I have ever seen. From ten different varieties I tried, this excels all for early or late cabbage. It heads large and of delicious flavor. The new tomato, 45, is the most beautiful I have ever grown. They are very large in size, weighing as high as two and a half to three and a quarter pounds, and certainly take the lead."

BELL UNGER, Mt. Carroll, Ill., writes: "The *Market Gardeners'* Cabbage, No. 2, cannot have too much said in its favor, it is certainly the earliest in cultivation, with largest heads and perfect in quality."

ROBT. GEMMELL, Ashland, Va., writes: "The *Market Gardeners'* Cabbage, No. 2, is the best I have ever grown."

U. N. STRICKLER, Middletown, Pa., writes: "Your *Market Gardeners'* Cabbage, No. 2, is the best. It heads early, large and solid, neither rots nor cracks open, and sells well."

E. FRITZ, Rittman, Ohio, writes: "The *Market Gardeners'* Cabbage, No. 2, beats anything we ever raised. We have used, since the 4th of July, something we never did before."

JNO. H. WADE, South River, N. J., writes: "I have been raising cabbage the last fourteen years for market, and can safely say your *Market Gardeners'* Cabbage, No. 2, is the best strain I ever planted, ninety-nine per cent headed up of splendid size, not only in circumference, but very thick through."

CHAS. ALLEN, Option, Pa., writes: "I state frankly and without hesitation, that your *Market Gardeners'* Cabbage, No. 2, is all you claim it to be. It is both the earliest and hardest heading variety that I have ever tried."

CHAS. STONE, Earles, N. Y., writes: "Your *Market Gardeners'* Cabbage, No. 2, is the best variety I ever raised. I am very much obliged for the extra seeds."

Ford's Mammoth Podded Lima Bean.

SEE COLORED PLATE OPPOSITE.

This grand new Lima Bean is the result of over twenty years' selection, by one of the oldest and most successful market gardeners around Philadelphia, whose name it bears. No novelty we have ever offered cost us so much money to obtain seed stock, and even at the fabulous price offered Mr. Ford for his entire stock last spring, he hesitated before selling, but finally accepted our offer. Its great value can be realized, when we say from our own personal knowledge it far surpasses in mammoth size, great productiveness and fine quality, such excellent varieties as the King of the Garden, Salem Improved, and other fine sorts. The pods grow eight to nine inches long, produced in immense clusters, and contain from five to seven large beans per pod, of the most excellent quality, for using either in the green or dry state. The vines grow vigorously, setting the beans early at the bottom of the pole, and continue in bearing right up to frost. Ford's Mammoth Podded is absolutely, without exception, the largest, finest flavored and most productive of all Lima beans. Sold only in sealed packages. Pkt., 25c.; 3 pkts., 60c.; 6 pkts., \$1.00.

The Startle or Twenty-Day Forcing Radish

A better and truer picture than that on our colored plate opposite, of this new and very distinct type of the well-known olive-shaped radish, could not be presented to our customers. It is undoubtedly the earliest radish known, maturing in twenty days. The flesh is pure white, crisp, sweet and fresh to the taste. Its very quick growth and short leaves make it extremely valuable for forcing, although it does equally well in the open ground. Pkt., 15c.; oz., 35c.; ¼ lb., \$1.00.

New Mammoth Onion, The Madrid Giant.

See Colored Plate Opposite.

THE KING OF ALL RED ONIONS.

See Testimonials, Page 15.

This new variety, which is now offered in America for the first time, is the largest and most popular onion grown around Madrid, the Spanish Capital, from whence we have obtained the seed. It possesses the large size, mild flavor, excellent keeping, and all other good qualities of the celebrated Spanish King, introduced by us three years ago, but differs from that variety in its handsome red skin, which in contrast with its pure white fine grained flesh, attracts marked attention in market, when offered for sale. It is also claimed by the Spanish growers, that the Madrid Giant grows quicker and can be grown at least one-third larger than any other sort. We distributed trial packets of this new onion to many customers last year, and have had many reports (see page 15), all of which, without a single exception, unite in praising it most highly, a few specimens sent in had attained the weight of over five pounds. We believe there is a great future here for these Spanish varieties of onion, as instead of the tops dying down or running to seed, as is the case with American varieties, they keep on growing the entire season, thus attaining enormous weights and dimensions. They are worthy of a trial from all market gardeners and onion growers. We hope that every customer who grows an onion will include at least a packet of the wonderful Madrid Giant in their order. Pkt., 20c.; 3 pkts., 50c.; oz., \$1.00.

Read "WHAT ONION GROWERS SAY" of the MADRID GIANT on preceding page, 15.

Johnson & Stokes' Market Gardeners'

THE BEST SECOND
EARLY AND SUMMER
MARKET CABBAGE.



Cabbage, No. 2.



EQUALLY AS GOOD
FOR LATE
OR WINTER CABBAGE.

(SEE COLORED PLATE OPPOSITE.)

In introducing this very valuable new cabbage to our market garden friends we would first ask them to read the opinions of their brother gardeners on preceding page, 15, to whom we sent it for trial last spring, preferring to have the opinions of practical market gardeners regarding it before offering a new variety of so much importance to them. Their testimony in the matter should have more weight with you than anything we can say.

The originator has for several years sold the seed to neighboring growers in Northern New Jersey at \$2.00 per ounce, until we purchased his entire crops of seed in 1887 and 1888. In it we have a cabbage so hardy and vigorous that it can be set much earlier than Jersey Wakefield or Early Summer and will produce fine solid marketable heads, more than twice as large as Jersey Wakefield and one-half again as large as Early Summer, and come in as early as the Wakefield, and two weeks earlier than Early Summer or any other round or flat-headed variety. Could anything more be wished for in an early market cabbage? On the other hand, when planted for a fall or winter crop, there is no other cabbage which will withstand the summer sun so well, and is so sure to form large solid heads, the quality of which is equal to the best, and when stored for winter and spring use, will keep perfectly until very late in the spring, coming out in fine, salable condition.

Such a cabbage is Johnson & Stokes' Market Gardeners' Cabbage, No. 2, and all who give it a fair trial will, after growing it, be as enthusiastic in its praise as we are. Try some of the best seed of the very best cabbage in cultivation. Pkt., 25c.; 3 pkts., 60c.; oz., \$1.50; ¼ lb., \$5.00.

Read "WHAT MARKET GARDENERS SAY" of J. & S. MARKET GARDENERS' CABBAGE, No. 2.

on page 15.

NEW SPANISH ONION

THE
MADRID GIANT

NATURAL
SIZE OF
POD

THE
STARTLE

or 20 day
forcing
RADISH

PKT. 15¢
OZ. 35¢
¼ lb
\$1.00

THE LARGEST & QUICKEST
GROWING OF ALL ONIONS
PKT 20¢ 3 PKT \$5.00 OZ \$1.00

JOHNSON & STOKES
MARKET GARDENERS
CABBAGE No 2

EARLIEST
ON EARTH

THE
KING

of all CABBAGE as a second

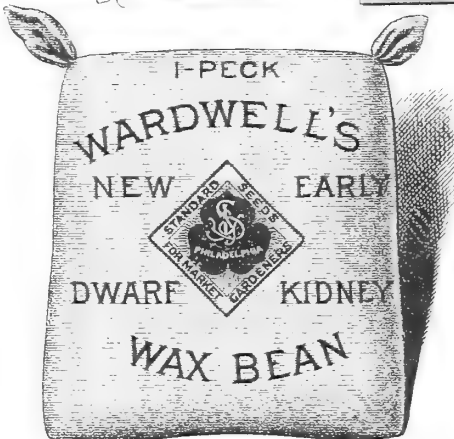
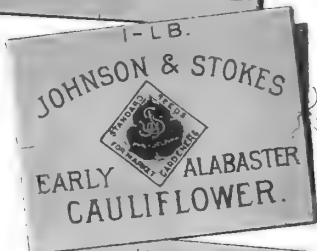
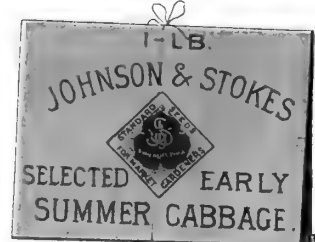
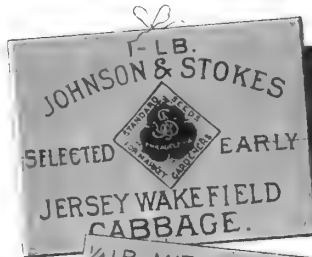
early & summer market sort equally as good for
PKT. 25¢ 3 PKT. \$60¢ OZ \$1.50 ¼ lb \$5.00 Winter

FORD'S NEW
MAMMOTH PODDED
LIMA BEAN

absolutely the largest
finest flavored
and most productive of all LIMA'S

PKT. 25¢ 3 PKT. \$60¢ 6 PKT. \$100

SPECIALTIES FOR MARKET GARDENERS.



JOHNSON & STOKES

IN BOTH HEMISPHERES

WERE PLANTED IN 1888 BY OVER 85000 GARDENERS

POPULAR VEGETABLE SEEDS

THE CHOICEST, TESTED, AND PROVED.

ALL OVER THE WORLD

IN the following pages we have endeavored to list the cream of all varieties known in America that are really worthy of cultivation, winnowing the chaff from the wheat, weeding out many varieties that are still catalogued by other seedsmen, but which our extended trials and experience have proven to us are unworthy of further cultivation. Under this head we also illustrate and describe our choice Specialties; among them will be found many valuable novelties recently introduced, to the growing of which we have given special attention; many of which cannot be obtained elsewhere. The varieties which we have printed in CAPITALS are highly recommended, many of them being improved sorts of great merit.

OUR PRICES!

It is our constant aim to make **HIGHEST QUALITY A FIRST CONSIDERATION**, and then to make our **PRICES AS LOW AS GOOD HONEST SEEDS CAN BE SOLD**. OUR PRICES, THEREFORE, will in all cases, be found as **LOW** as those of any other **RELIABLE HOUSE** for seeds of the highest standard of excellence. OUR DETERMINATION to grow and distribute nothing but the **VERY BEST SEEDS THAT IT IS POSSIBLE TO PRODUCE** has increased our business to its present **LARGE PROPORTIONS**, and gained for us the largest trade enjoyed by any other house in America direct with critical market gardeners and experienced planters, who appreciate the highest quality rather than the lowest prices.



OUR SEED STORE AND WAREHOUSE,

LOCATED AT

Nos. 217 & 219 Market Street,

Between 2d and 3d Sts., and extending through to Nos. 206 and 208 Church St.,

IS THE LARGEST AND BEST ARRANGED

in the city, and all orders entrusted to us will be promptly and faithfully executed.

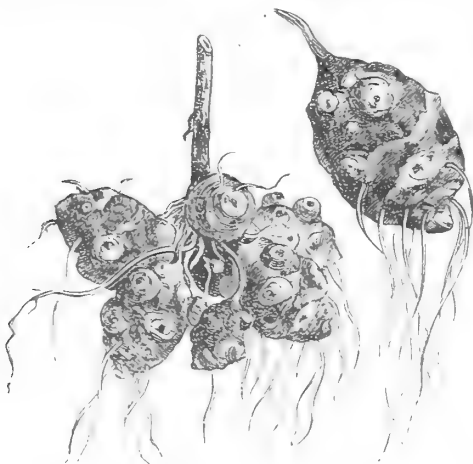
OUR EMPLOYEES are expert seedsmen, many of them having devoted a lifetime to the business, and our patrons may rest assured that they will be carefully and intelligently waited upon.

Being located in close proximity to the Market Street Ferries, those residing in New Jersey will find it very convenient, when shopping in the city, to have their purchases and packages sent to our store, where they will be carefully and cheerfully looked after until called for by them.

JOHNSON & STOKES,
Nos. 217 & 219 Market Street, Philadelphia, Pa.

ARTICHOKE.

Large Green Globe. Pkt., 10c.; oz., 25c.; lb., \$2.50.



JERUSALEM ARTICHOKE ROOTS.

ARTICHOKE ROOTS.

Three bushels will seed an acre.

Jerusalem. This variety is not produced from seed. They are sometimes used as a table vegetable when pickled, but their greatest value is for feeding stock. They are the best hog-food known, and are now attracting much attention on account of their great fattening properties, great productiveness (over one thousand bushels having been grown on an acre), and ease with which they can be grown. They need not be dug in the fall; the hogs should be turned in on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases. They are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. They are well adapted to any soil where corn or potatoes can be grown. The tubers should be cut same as potatoes, one eye to a cut being sufficient, planted in April or May, in rows three feet apart and two feet in the rows, and covered about two inches deep. To destroy them, they should be plowed under when the plant is about a foot high, at which time the old tuber has decayed and new ones are not yet formed. They can be shipped at any time during the season, as they are not injured by freezing. Lb., 35c.; 4 lbs., \$1.00, post-paid; by freight or express, peck, \$1.00; bush., \$3.00; bbl. of 3 bush., \$7.50.

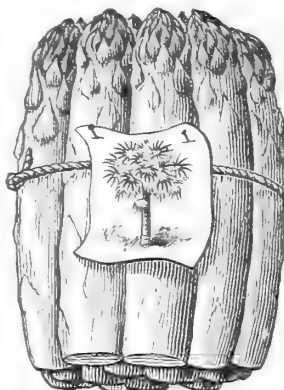
ASPARAGUS.

One oz. will sow forty feet of row; 7260 roots will plant an acre.



BARR'S PHILADELPHIA MAMMOTH. This Asparagus is superior to any yet offered for sale in this country. It originated about six years ago with Crawford Barr, of Montgomery Co., Pa., a prominent market gardener. Grown side by side with the Conover's Colossal, and subject to the same treatment, it came in earlier and grew more than twice as large. It is very productive, throwing up a great number of strong, well-developed shoots throughout the entire season. It is tender to

the stem, and of delicious flavor, which, together with the fact that it requires much less labor in cutting and bunching, thus lessening the expense of marketing, makes it much the most desirable of any kind yet introduced for the market gardener. It has attracted much attention in Philadelphia markets, where it is much sought after and sells at double the price of any other sort. We have seen a bunch of twenty-five edibleshoots weigh thirteen pounds. It is now grown by many of the leading market gardeners of Philadelphia, Chester and Montgomery Counties with great profit. Price of seed: Pkt., 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50. Price of roots: 1 year old, \$1.25 per 100 (by mail, \$1.50 per 100); \$6.00 per 1,000; 2 years old, \$1.50 per 100; \$7.00 per 1,000. (500 roots at 1,000 rate.)



NEW PALMETTO ASPARAGUS.

Price of seed: Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00. Roots: \$1.50 per 100 (by mail, \$1.75 per 100); \$7.50 per 1,000. (500 roots at 1,000 rate.)

Conover's Colossal. A good productive variety. Seed: Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Roots: 1 year old, 90c. per 100 (by mail, post-paid, \$1.15 per 100); \$4.50 per 1,000; 2 years old, \$1.00 per 100; \$5.00 per 1,000, by express or freight.

BEANS, Dwarf or Bush.

One quart will plant one hundred feet of drill, two bushels will plant an acre in drills.

Comparative tests of Dwarf Beans made on our Trial Grounds in 1888, to determine the relative earliness of the new and leading sorts.

The plantings were all made the same day, **June 2d**, under precisely the same conditions, with the following results:

VARIETY.	Plant above Ground.	First Blossoms	Ready for Picking.
Early Mohawk,	June 10	July 9	July 22
Improved Round Pod, Extra			
Early Valentine,	" 10	" 5	" 15
Early Red Valentine,	" 12	" 14	" 25
White Valentine,	" 11	" 8	" 20
Long Yellow Six Weeks,	" 12	" 7	" 19
New Snowflake Field Bean,	" 13	" 13	" 23
White Marrowfat Field,	" 14	" 16	" 29

WAX SORTS.

Wardwell's New Kidney Wax,	June 10	July 4	July 14
Golden Wax,	" 11	" 6	" 18
Dwarf German Wax,	" 12	" 7	" 20
Black-Eye Wax,	" 10	" 6	" 17
New Flageolet Wax,	" 12	" 8	" 21

Please remember to add for Postage 8c. per pint or 15c. per quart, on all Beans when ordered to be sent by mail.


LARGE PACKETS OF ANY VARIETY, 5c. EACH, POST-PAID.

NEW BUSH BEAN—NE PLUS ULTRA.

This bean, as its name indicates, is the Ne Plus Ultra of all sorts. It differs from all the other varieties in both seed and habit of growth. It is very early, growing very dwarf and compact, and producing its magnificent long pods in such great profusion as to completely hide the bush. It is very hardy, of fine delicate flavor, most productive, and excellent for forcing. Pkt., 10c.; pint, 35c.; qt., 60c.

SECTION OF OUR TRIAL GROUNDS

WARDWELL'S NEW KIDNEY WAX BEAN IN COMPARISON WITH **GOLDEN WAX.**



WARDWELL'S NEW KIDNEY WAX
THE EARLIEST, HARDEST & MOST PRODUCTIVE OF ALL WAX BEANS

GOLDEN WAX
THE WELLKNOWN STANDARD SORT PLANTED SAME DAY.

WARDWELL'S NEW EARLY DWARF KIDNEY WAX BEAN.

This new variety, introduced by us last year, has more than exceeded our most sanguine expectations and has given unbounded satisfaction wherever tried. Leading market gardeners everywhere, who had it last season, are all unanimous in saying it is the **earliest, hardest, most productive** and salable yellow wax bean they ever grew.

The most valuable point, however, in its favor, is that it has **not yet shown the slightest indication of rust or spot**, no matter where or under what condition grown. It is greatly superior to the well-known Dwarf German Black Wax or Golden Wax sorts in every respect, being nearly a week earlier and yielding a third greater. The vines are remarkably vigorous, hardy and productive; the pods are very large, smooth and showy and will sell when all other varieties will be refused; they are tender, perfectly stringless and of unusually fine quality. The entire pod assumes a rich golden color at a very early stage of growth—a very important feature which no other sort does. The dry beans are white, with two shades of reddish purple more or less visible, and a distinct kidney shape. Prepared for the table it has a fine buttery flavor, and is destined to become the leading snap bean, as well as a strongly endorsed winter shelled sort. Our entire stock was grown especially for us by Mr. Chas. Wardwell, the originator, one of the largest bean growers in the United States. Pkt., 15c.; pint, 40c.; qt., 65c., by mail, post-paid. By express or freight, pint, 32c.; qt., 50c.; 4 qts., \$1.40; peck, \$2.25; bush., \$8.00.

NEW DETROIT WAX BEAN. This is an early variety, the vine being very vigorous and upright in growth, very productive. The pods are fit for use about the same time as the Golden Wax, but resemble those of the White Wax in shape, although much larger and deeper yellow color. They have the remarkable quality of standing a long time after picking without rusting or other deterioration. They are very fleshy, and when cooked are very tender and of good flavor. Pkt., 15c.; pint, 40c.; qt., 65c., post-paid; qt., 50c.; 4 qts., \$1.40; peck, \$2.40, by freight or express.

WHAT OTHERS SAY

EARLIEST EVER GROWN.

R. M. COOPER, Dover, Del., Oct. 2, 1888, writes: "The Wardwell Kidney Wax Bean is the earliest of any we have ever grown, prolific, tender and of excellent quality, none better."

WILL TAKE THE LEAD.

GEO. A. STEAMS, Quincy, Mass., writes: "The Wardwell Wax Beans will become the leading bean for market and home use. They are a speedy grower and bear early; a rich snap-short, also a fine shell bean. I was more than pleased with them."

BEST HE EVER GREW.

JOSHUA COLE, East Brookfield, Mass., writes: "The Wardwell Kidney Wax Beans are the best I ever grew, either for string or shell beans, and are very productive."

BEST IN YIELD AND QUALITY.

LEVI HOOKE, Goshen, Ind., writes: "Wardwell's Kidney Wax Beans are the best in yield, quality and great earliness."

WILL PLANT NO OTHER KIND.

S. J. FRANTZ, Egypt, Pa., Sept. 29, 1888, writes: "Your Wardwell's New Kidney Wax Beans are the earliest and best I ever grew since I have been in the gardening business. I will plant no other kind in future."

BEANS, Dwarf Green Podded Sorts.



IMPROVED ROUND POD EXTRA EARLY VALENTINE BEAN

NEW IMPROVED ROUND POD EXTRA EARLY RED VALENTINE. This is unquestionably the very best and earliest green snap-short bean for the market gardener. It is at least ten days earlier than the Early Red Valentine, and is usually ready to pick thirty-five to forty days from the time of planting. The habit of the vine is dwarf, the pods are smooth, round, stringless and very thickly set, remaining green and tender a long time after they are fit to pull. The strain we offer will be found unusually prolific and to hold the pods well up from the ground. Vines very uniform, making little or no top growth, setting its fruit all low on the bush, ripening very uniformly, and producing enormously. Pkt., 10c.; pint, 25c.; qt., 45c., post-paid. By freight or express, pint, 15c.; qt., 30c.; peck, \$1.25; bush., \$4.50.

Early Red Valentine. The well-known old standard sort. Pint, 13c.; qt., 25c., post-paid; peck, \$1.00; bush., \$3.75.

Etampes, or First of All. One of the earliest green podded sorts, very desirable when young. Pint, 25c.; qt., 45c.

Early Mohawk. The hardiest of the early varieties, and will endure a light frost; largely planted in the South. Pint, 13c.; qt., 25c.; peck, \$1.25; bush., \$4.00.

Early Long Yellow Six Weeks. Hardy, prolific, and of good quality. Pint, 13c.; qt., 25c.; peck, \$1.25; bush., \$4.00.

Refugee, or Brown Valentine. Very productive, and will stand a slight frost: a fine string or pickling bean. Pint, 13c.; qt., 25c.; peck, \$1.25; bush., \$4.00.

WHITE VALENTINE. A very early and prolific bearer, resembling the Red Valentine except in color of the bean itself, which, being white, also makes a fine shell bean. Pint, 15c.; qt., 30c.; peck, \$1.25; bush., \$4.50.

BEST OF ALL. This newly introduced dwarf bean is, as its name indicates, one of the best. It originated in Germany, with round glossy pods about twice as long as those of the Valentine, very tender and succulent, and an enormous producer, very popular in the South. Pint, 25c.; qt., 45c.; peck, \$1.60; bush., \$5.50.

Early China Red Eye. Of good quality, used as a string or shell bean. Qt., 30c.

Broad Windsor. An English bean, valuable from its habit of ripening unequally, some pods being full while others are in various stages of filling. Pint, 35c.

Extra Early Newington Wonder. Very productive, pods round, crisp and tender; a good forcing variety. Pint, 15c.; qt., 30c.; peck, \$1.25.

BEANS, DWARF WAX SORTS.

Large Packets, 5c. each, post-paid.

NEW BLACK-EYE WAX. This is the earliest wax bean we have tested, excepting *Wardwell's New Kidney Wax*. It is a cross between the Golden and Dwarf Black Wax. Vines medium size, erect, bearing its pods near the centre. Leaves large, thin, quite dark green in color. Pods long, straight, rounder and of a lighter color than those of the Golden Wax. They cook quickly, both as snap and as shell beans. Dry beans, medium size, long, round, white, with black spot around the eye. Pkt., 5c.; pint, 25c.; qt., 45c.; peck, \$2.00; bush., \$7.50.

NEW DATE WAX. An entirely new and distinct dwarf German Wax Bean. Its long, yellow, stringless pods, six to six and one-half inches long, are produced in great profusion. It is one of the earliest of the wax varieties, and a very valuable acquisition. Pkt., 10c.; pint, 35c.; qt., 60c.; peck, \$2.00; bush., \$7.50.

NEW FLAGEOLET WAX. See Novelties, page 9.

GOLDEN WAX. This variety is a few days earlier than the German Black Wax; pods long, brittle, entirely stringless, of a rich golden color; as a snap, it excels most others in rich buttery flavor, while as a bean for winter use, it has few equals. Our improved and selected strain of this popular variety is pronounced by market gardeners everywhere as the very best stock they can get. Pkt., 5c.; pint, 15c.; qt., 30c.; peck, \$1.60; bush., \$6.00.

GERMAN BLACK WAX. (*Butter Beans.*) One of our best varieties; pods when fit for use are waxy yellow, tender and productive. Pint, 15c.; qt., 30c.; peck, \$1.50; bush., \$5.50.

Dwarf White Wax. Similar to Black Wax, except in color of seed. Pint, 15c.; qt., 30c.; peck, \$1.50.

Crystal White Wax. A new bush bean with waxy, transparent pods of very rich flavor; stringless, succulent and tender; the pods, though quick to develop are slow to harden. We value them highly for table use or pickling. Pint, 18c.; qt., 35c.; peck, \$1.75.

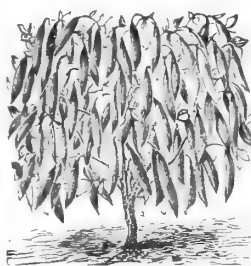
Dwarf Mont d'Or, or Golden Butter. A variety from Germany, golden yellow pods, very productive and of fine flavor. Pint, 30c.; qt., 50c.

Ivory Pod Wax. This variety is earlier than the German Wax; pods are large, long, brittle and stringless; of a transparent, ivory-white appearance. As a snap bean, it excels in tenderness and creamy flavor, and as a shell bean for winter use, it is superior to the Marrow. Pint, 18c.; qt., 35c.; peck, \$1.75.

VARIETIES FOR SHELL BEANS.

Large Packets, 5c. each, post-paid.

NEW SNOWFLAKE FIELD. See Novelties, page 6.



PROLIFIC TREE BEAN.

PROLIFIC TREE. A valuable variety for field culture, the most prolific bean known, growing about twenty inches in height, branching out in all directions, bearing its pods so high that they do not touch the ground, enabling it to stand a wet spell without injury. They have yielded, on small plots of ground, at the rate of over one hundred bushels to the acre. They resemble the common Navy Bean, more rounded at the ends and very white, cooking in less time and of finer flavor. Pint, 15c.; qt., 30c.; peck, \$1.25; bush., \$4.50.

Canadian Wonder, or Rose Bean. A bean of very dwarf habit. The pods are very tender and delicious, growing long, frequently reaching fifteen inches, and producing abundantly. Pint, 20c.; qt., 35c.

BOSTON FAVORITE, or GODDARD. This new variety is destined to entirely take the place of the Dwarf Horticultural. It bears handsome large red pods, which are very tender and succulent as a string bean. It is also very valuable as a shell bean, being of a very large size and possessing a delicious flavor, either green or dry. It is also a most productive variety. Pint, 25c.; qt., 40c.; peck, \$1.50.

Dwarf Horticultural. A dwarf variety of the Horticultural Pole Bean. Pint, 20c.; qt., 35c.

Royal Dwarf, or White Kidney. One of the best as a shelled winter bean. Pint, 13c.; qt., 25c.; peck, \$1.00; bush., \$4.00.

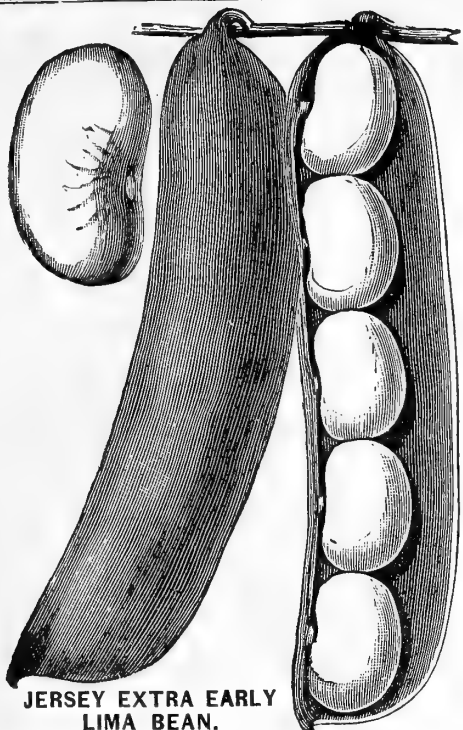
White Marrowfat. Extensively grown for sale as a dry bean for winter use; excellent shelled, either green or dry. Pint, 13c.; qt., 25c.; peck, \$1.00; bush., \$3.75.

White Navy, or Pea Bean. A well-known standard sort for field culture. Seed white, nearly round. Very productive. Pint, 13c.; qt., 25c.; peck, \$1.00; bush., \$3.75.

THEY SPEAK FOR THEMSELVES.

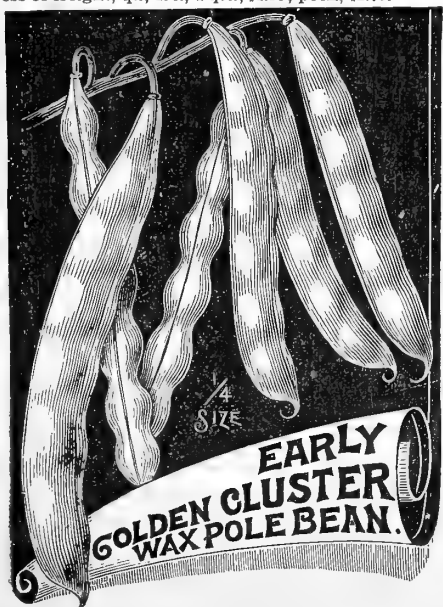
M. W. MOORE, Camp Knox, Ky., writes: "Your seeds require no encomiums; they speak for themselves. The Lazy Wife's Pole Bean is simply grand—all that can be desired. The wonder of the whole country."

SPECIALTIES IN BEANS



**JERSEY EXTRA EARLY
LIMA BEAN.**

Three years' careful comparative tests by several of our most prominent Lima Bean growers has proved this selection to be fully ten days or two weeks earlier than any other. The pods are large and numerous, invariably having from five to seven beans of a pleasant shade of green in each pod. These beans for the past two seasons have appeared in Philadelphia markets about two weeks ahead of all other Limas, selling at from \$3.00 to \$4.00 per bushel of pods. We advise all our customers who want a "profitable thing" in Lima Beans to plant this sort largely. Pkt., 10c.; pint, 35c.; qt., 60c., postpaid; by express or freight, qt., 45c.; 4 qts., \$1.50; peck, \$2.75.




LAZY WIFE'S POLE BEAN.

This new Pole Bean, introduced a few years since, has already become a great favorite. The pods grow from four to six inches long, entirely stringless, and of a rich buttery flavor when cooked. The pods remain green, and retain their tender, rich, stringless flavor until nearly ripe. The beans are white, and are unsurpassed as shell beans for winter use. They are pronounced by all who have grown them the best green podded snap-short Pole Bean in cultivation. We cannot recommend this bean too highly. Pkt., 10c.; pint, 40c.; qt., 70c.

NEW EARLY GOLDEN CLUSTER WAX POLE BEAN.

This new variety leads all the other pole varieties in earliness. It is distinct in seed, color and habit of growth. The pods retain their tenderness and plumpness long after the beans have attained a large size, so that only a few days elapse after they cease to be fit for string beans before they are fit to shell. The pods are a beautiful golden yellow, and are from six to eight inches long, borne profusely in clusters of four to six. Commencing to bear ten days after the Dwarf Golden Wax, it continues to produce an abundance of pods until frost sets in. Large pkt., 10c.; pint, 50c.; qt., 90c., postpaid; qt., 75c.; 4 qts., \$2.50; peck, \$4.00, by freight or express.

POLE OR RUNNING BEANS.

 Bear in mind that our prices on beans by the pint and quart do not include postage. 15c. per quart should be added when ordered to be sent by mail.

FORD'S NEW MAMMOTH PODDED LIMA. Absolutely the largest, most productive and finest flavored of all Lima Beans. See colored plate and page 16. Pkt., 25c.; 3 pkts., 60c.; 6 pkts., \$1.00, post-paid.

NEW GOLDEN ANDALUSIA. See Novelties, page 3. Pkt., 15c.; 4 pkts., 40c.

NEW GOLDEN WAX FLAGEOLET. After an exhaustive trial we imported our original seed of this magnificent New Wax Pole Bean direct from Germany. It is without doubt one of the earliest of all the Pole Wax varieties ripening almost as early as the Dwarf German Wax. It is entirely stringless, the pods growing seven to eight inches long, round, fleshy, and of the finest quality, being exceedingly tender and succulent. They begin to bear when quite young, continuing to grow and bear most profusely the entire season. It is worthy of the highest praise, and we hope every customer who orders beans will include at least a packet of this new variety, as it is sure to please. Pkt., 10c.; pint, 20c.; qt., 40c., peck, \$3.00.

KING OF THE GARDEN LIMA. This new Lima Bean has fully sustained the strong claims made for it. They are vigorous growers, setting their beans early at bottom of pole, producing continuously to the end of the season. They are more prolific than the ordinary Lima, bearing their pods five to eight inches long, in clusters of four and five, with five to six beans in a pod. Pkt., 10c.; pt., 20c.; qt., 40c., 4 qts., \$1.50; peck, \$2.75; bush., \$10.00.

SALEM IMPROVED LIMA. A selection from the large Lima Bean of extraordinary size and deep green color. Pint, 35c.; qt., 60c.; peck, \$2.75.

Large White Lima. One of the best of the Pole Beans, either green or dry. Pint, 18c.; qt., 35c.; 4 qts., \$1.25; peck, \$2.25; bush., \$9.00.

Dreer's Improved Lima. Very productive and of superior quality; when green they are nearly as large as the Large Lima, thicker, sweeter, and more tender and nutritious, remaining green in the pod for a long time after maturing. Pint, 20c.; qt., 40c.; peck, \$2.50.

Carolina, or Sewee. Similar in flavor to the Large Lima, producing beans about half the size, but more productive. Pint, 18c.; qt., 35c.; peck, \$2.25.

Dutch Case-Knife. One of the earliest and most productive use, shelled, green or dry. Pint, 30c.; qt., 10c.

CREASE-BACK, or BEST OF ALL POLE. A well-known and highly esteemed Southern variety. Very early and productive. Forms very full, round pods, distinctly creased all back, hence its name. Pint, 40c.; qt., 70c.

EXTRA EARLY GREEN CLUSTER. This new bean is almost as early as the Bush varieties. The pods are green while the beans are white and nearly as large as the Lima, and when cooked possess the rich flavor of that variety to such an extent that it is difficult to distinguish them from Limas. They are frequently fit for the table before Lima Beans commence to blossom. They are very productive, and continue in bearing a long time. Do not confound this variety with the Early Golden Cluster Wax Pole Bean, which is used as a snap-short. Pkt., 10c.; pint, 30c.; qt., 50c.; peck, \$2.50.

SOUTHERN PROLIFIC, or KENTUCKY WONDER. A splendid, vigorous and productive variety. Pods in clusters, succulent and delicious; matures in seventy days from germination, bearing until frost. Pint, 35c.; qt., 60c.

Scarlet Runner. Clusters of beautiful scarlet flowers, for ornament and table use. Pint, 30c.; qt., 50c.

Early Maine, or Essex Prolific. A new tender, stringless variety. Green pods. Pint, 35c.; qt., 60c.; peck, \$2.00.

French Asparagus. We imported our original seed of this variety from France, where it is most popular. The pods are tender, of a beautiful green, growing from two to four feet in length, making them also a great curiosity. Pkt., 10c.; pint, 45c.; qt., 75c.

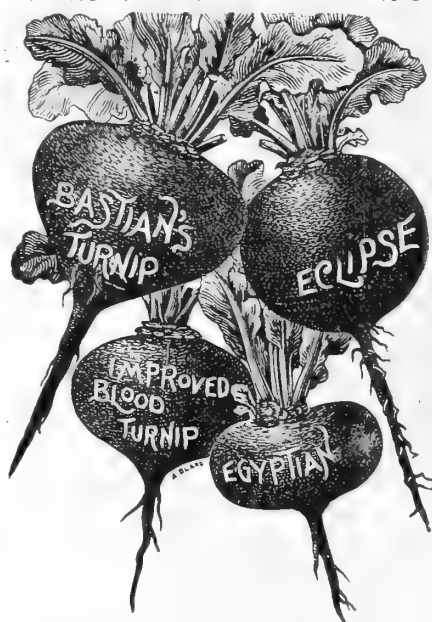
Horticultural, or Wren's Egg. An old favorite; equally good as a snap or shelled. Pint, 25c.; qt., 45c.

Giant Wax. (Red Seed.) Pods from six to nine inches long, thick and fleshy, of a pale yellow color and waxy appearance, very productive. Pint, 35c.; qt., 60c.

BEETS.

One ounce will sow sixty feet of drill: five lbs. will sow an acre in drills.

MITCHELL'S PERFECTED EARLIEST RED TURNIP BEET. The very earliest in cultivation. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75. See Novelties, page 6.



NEW ECLIPSE. This variety, originally from Germany, is a great acquisition to our list of turnip beets. Much of the imported seed sold in this country has been badly mixed. We are glad to say, however, that we have always grown it in its original purity, and our seed has always given the greatest satisfaction among our market gardeners. It is as early as the Egyptian, and much more desirable owing to its globe shape, great smoothness and regularity, having a firm small top, very sweet, flesh fine and dark blood color. It is very desirable for market gardeners on account of its extreme earliness. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

EXTRA EARLY EGYPTIAN BLOOD TURNIP. A standard sort, ten days to two weeks earlier than the old Blood Turnip. Owing to smallness of the top it can be planted very close. It is of good quality and medium size; fine for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

BASTIAN'S EXTRA EARLY RED TURNIP. Profitable for the market gardener; very early, of quick, large growth; fine turnip form, and bright red color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

EDMAN'S EARLY TURNIP. This is a handsome Red Turnip Beet, grown quite largely around Boston. Root smooth and foliage very small. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Improved Early Blood Turnip. A selected strain, and one of the best; blood red, tender, and a good late keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

Devling's Extra Early Red Turnip. Of good form and flavor. Flesh and top deep blood red, an excellent early or winter variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 65c.

Extra Early Bassano. Prized for its earliness; flesh white and rose, very sweet and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

PHILADELPHIA PERFECTION. This new variety is the result of several years critical selection by a prominent market gardener; of half-long shape, deep blood red color, with a deep, rich, crimson foliage; flesh, fine grained, tender, sweet, juicy. It is of very quick growth, and is not only good for early use, but also for fall and winter, being an excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Bastian's Half-Long Blood. In color, shape and size, it is all that can be desired in a beet; a favorite variety for winter use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Long Blood Red. A good late variety for fall and winter use; sweet and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Swiss Chard, or Silver. Cultivated for its leaves; the mid-rib is stewed and served as asparagus, and the other portions of the leaf as a spinach. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MARTIN AUSTIN, Fairport, N. Y., writes: "Your Lenz Beet for earliness and quality is the best I have ever seen."

**GEM HALF-LONG BEET.**

NEW GEM HALF-LONG.

This splendid new variety has many valuable and distinct points of merit not possessed by any other existing sort. The color is several shades darker red than the well-known Philadelphia Perfection or Bastian's Half-Long sorts. The root will average about eight inches in length, is of a very handsome olive-shape and perfectly smooth. The leaves are of a very dark red color, and possess a decidedly metallic-like hue. Market gardeners say their customers will take no other after they have once tasted this sort, so *sweet and delicious* is the quality. This variety is also earlier than any other half-long sort in cultivation. Seed scarce. Pkt., 10c.; oz., 20c.; 1/4 lb., 50c.; lb., \$1.50, post-paid.



LENTZ'S EXTRA EARLY BLOOD TURNIP. We were the first to offer this valuable variety to the public. It originated with the Lentz family, who are among the best market gardeners about Philadelphia. They have carefully kept the seed among a few, to whom it has been a source of great profit. We recommend it as containing all the valuable essentials of an early beet. It is fully as early as the Egyptian, but larger and of better quality, of fine, dark red color, tender and sweet at all times, whether old or young. It has a very small top, and will produce a crop in *six weeks from time of planting the seed.* It is very productive and a perfect keeper. Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.

H. MILLER, Goshen, Ind., writes: "Your Lentz Beet takes the lead in our market. They sell like hot cakes and are fine croppers."

**OUR SELECTED CABBAGE SEED.**

G. W. GRAYHILL, Old Hickory, Va., Sept. 30, 1888, writes: "Your seeds are superior to any I have ever used; I have the finest cabbage in this country."

J. W. SHOAP, Hunter's Run, Pa., writes: "It is now four years since my first purchase of your cabbage seeds and have never yet had a crop to fail me."

WM. GRAY, Crystal River, Fla., writes: "I had seed of Early Jersey Wakefield from five leading firms. The cabbage grown from your seed averaged 60c. per crate more than any of the others."

M. E. MOREY, Tuckerton, N. J., writes: "I have raised cabbage for thirty-five years and I can honestly say your Selected Early Jersey Wakefield is by far the best early cabbage I ever saw."

W. F. POORMAN, Elmira, Ohio, writes: "Of five varieties of cabbage, the Short Stem Drumhead takes the cake."

A. M. SHOOP, Hunter's Run, Pa., writes: "I was more than pleased with the seeds bought of you last spring, especially your Matchless Late Flat Dutch Cabbage, which I am sure cannot be equalled."

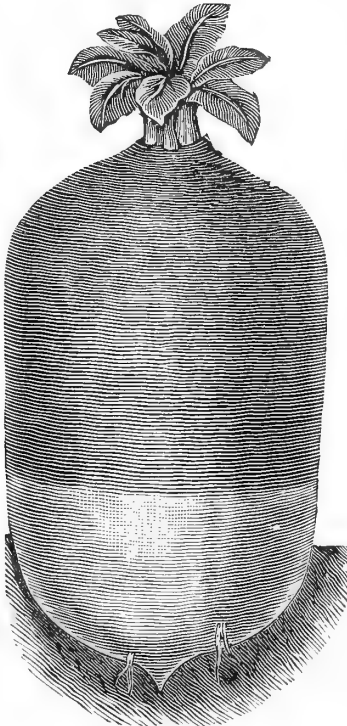
MANGEL AND SUGAR BEETS.**STOCK-FEEDING VARIETIES.**

The attention of farmers to the growing of roots for feeding stock is rapidly increasing, and their great value cannot be overestimated. The wonderful results are plainly shown in the health and general condition of the animals, and the increased yield of milk in cows.

They should be sown from April to June, in drills two feet apart, and afterward thinned out to stand one foot apart in the rows. Keep well cultivated, and you will have an abundant crop of roots for winter use.

From five to six pounds of seed required to the acre.

In quantities of five pounds and over, by freight or express, 5 cents per pound may be deducted from prices here given.



NEW GOLDEN TANKARD MANGEL.

5c.; oz., 10c.; 1/4 lb., 15c.; lb., 45c.; 5 lbs. and over, by express, 40c. per lb.

NEW GOLDEN YELLOW MAMMOTH MANGEL.

A distinct and valuable new German variety, being a cross between Golden Tankard and Long Yellow. In form and size it resembles Carter's Red Mammoth; the flesh, however, is a bright golden yellow, of fine quality and exceedingly rich in saccharine matter; a heavy cropper. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

NEW GOLDEN TANKARD MANGEL.

A distinct, new and valuable yellow-fleshed variety, said to contain a large percentage of sugar. It has already taken the lead of other varieties in England, and is more relished by milch cows and sheep than any other. In shape it is broader than the Long Red, but not so long; exceedingly hardy, and maturing earlier than other large sorts. Pkt.,

NEW MAMMOTH MANGEL WURZEL. THE CHIRK CASTLE.

Our attention was first called to this prodigious variety a few years since, while visiting Scotland. We were at first inclined to doubt the statements of the Scotch farmers regarding the enormous weights and yields of this variety but on our return to Scotland, after visiting the continent, six weeks later, we found them harvesting the crops, and to our astonishment these statements were fully verified. We saw hundreds of specimens taken from the field, weighing *over sixty lbs. each*, while whole crops averaged thirty-eight to forty lbs. per root, producing a yield of over sixty tons to the acre. We immediately secured seed stock, and arranged with an English grower to plant it. The crop being a failure there last year, we were obliged to wait, unable to procure sufficient seed to offer it until this season. The length is about the same as Carter's Mammoth Long Red, but it is remarkable for its *massive shape and broad shoulders*, its diameter being more than twice as great, and its weight very much heavier than this celebrated variety. The flesh is red, of very fine texture and quality, containing less water and more sugar than any other mangel, making it more nutritious and milk-producing, enabling the Scotch dairy farmers to obtain a higher price per gallon for milk from cows fed on this mangel. Their sheep also thrive better when fed on this variety, picking out pieces of it in preference to other kinds when feeding. We consider this variety by far the most valuable and profitable of all the stock-feeding beets yet introduced. Per pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50, post-paid; 5 lbs. (enough for one acre), \$6.50, by express or freight.

NEW KINVER YELLOW GLOBE MANGEL.

Grows somewhat longer than the Golden Globe. Skin and flesh are very smooth and fine. It is enormously productive and of superb quality, much relished by all kinds of stock. Roots of this variety have been grown to weigh forty-five pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. (5 lbs., \$1.75.)

CARTER'S CHAMPION WARDEN ORANGE GLOBE MANGEL. The best Yellow Globe in cultivation; orange-yellow root, of large size and fine nutritive qualities, growing partly above ground; succeeds well on light land. Of beautiful shape, neat top, fine, clear skin, and of choice quality; a sure cropper and excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. (5 lbs., \$1.75.)

CARTER'S MAMMOTH PRIZE LONG RED MANGEL. A celebrated variety, sometimes called *Jumbo* and *Colossal*. It is grown extensively for agricultural purposes, producing large roots, partly above ground. A very heavy cropper, frequently producing forty to fifty tons to the acre; growing enormously in size but of fine texture and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 45c.; 5 lbs. and over, by express, 40c. per lb.

Long Red Mangel. Not as large as Carter's but similar in quality. Pkt., 5c.; oz., 10c.; lb., 40c.

Yellow Ovoid Mangel. Skin of a deep yellow color, and on account of its shape, being between the Long and Globe varieties, will surpass either, bulk for bulk. It is very nutritious, rich in saccharine matter, and productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Golden Globe Mangel. A round variety; keeps and produces well, and a sure cropper, succeeding well on light land. Pkt., 5c.; oz., 10c.; lb., 40c.

Red Globe Mangel. Similar to the Golden Globe, except in color; an excellent variety. Pkt., 5c.; oz., 10c.; lb., 40c.

LANE'S IMPROVED IMPERIAL SUGAR BEET. An improvement on the *French Sugar Beet*. Recommended as hardier, more productive and containing a greater percentage of sugar. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c. (5 lbs., \$1.75.)

Vilmorin's Improved White Sugar Beet. An improvement on the old variety of *White Sugar*, and containing a much larger percentage of sugar. Pkt., 5c.; oz., 10c.; lb., 70c.

Silesian, or White Sugar Beet. Large size, and grows considerably above the ground; fine for feeding. Cultivated in Europe for its sugar. Pkt., 5c.; oz., 10c.; lb., 40c.

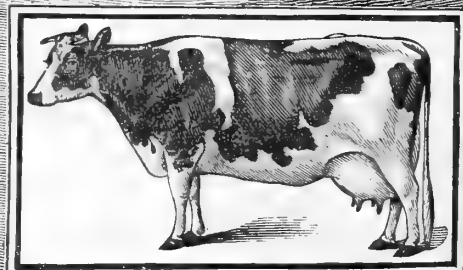
BROCCOLI.

Early Purple Cape. Best for the North, producing compact brownish-purple heads. Pkt., 10c.; oz., 40c.

Early Walch-ren. Very large. Pkt., 10c.; oz., 60c.

BRUSSELS SPROUTS.

Perfection. Producing compact sprouts of fine quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

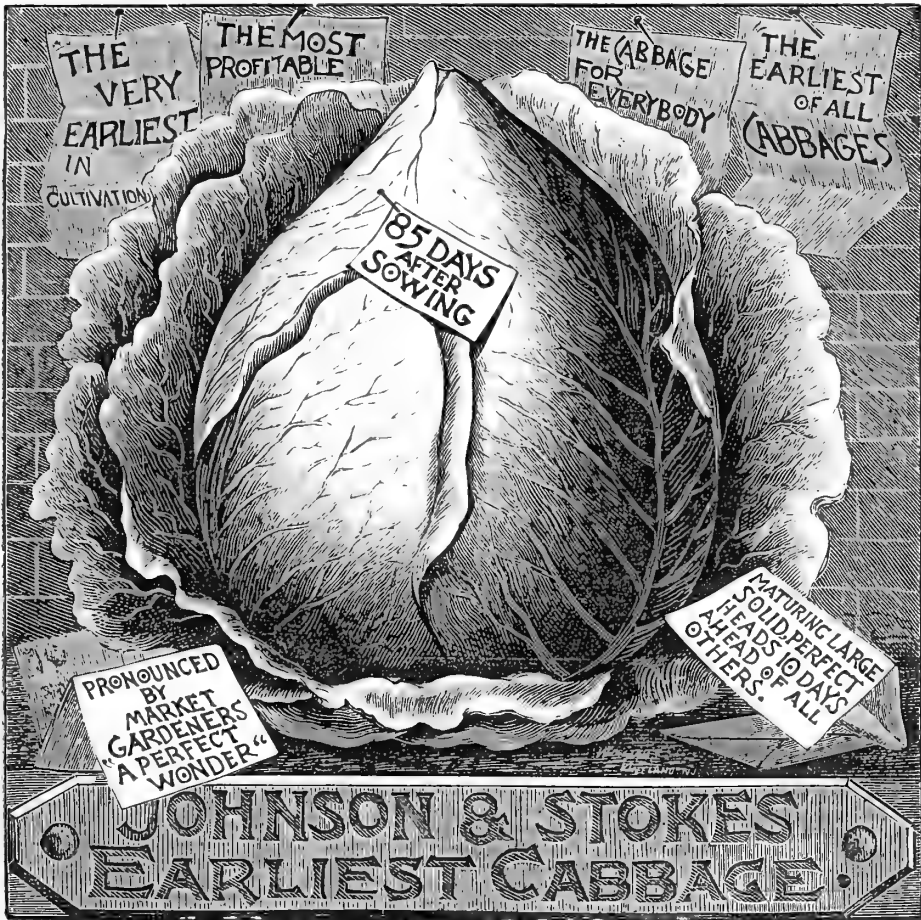


RELIABLE CABBAGE SEEDS

SELECTED AMERICAN GROWN STOCKS.

THAT MARKET GARDENERS CAN DEPEND UPON.

There is nothing of greater importance to the market gardener than reliable cabbage seeds. We need say nothing to those who have purchased our cabbage in former seasons, as to them its high quality is already known. To those who have never tried us, we can only say that our cabbage is all home grown, and every grain of seed produced is from carefully-selected heads, and our stocks are unsurpassed in this country. We annually supply hundreds of the best market gardeners around Philadelphia, New York and other large cities of the Union. This fact alone is an evidence of high quality.



JOHNSON & STOKES' EARLIEST CABBAGE.

This now famous variety gives us as great satisfaction as any of our new introductions, and no one can possibly be disappointed with it. We have supplied several hundred pounds to some of the best market gardeners in the United States, and have received hundreds of letters pronouncing it the *most profitable cabbage* they have ever grown. It is *ten days earlier* than Early Jersey Wakefield and the French Etampes, which have heretofore been considered the earliest of all cabbages, and is *unsurpassed in fine quality, great beauty and vigor of growth*. The accompanying engraving, which we had made from a photograph, shows its exact shape, which is slightly conical, and *remarkably large and solid*. It has very few outer leaves, and will produce a greater crop, on the same area of ground, than any ordinary variety, from the fact that it can be planted closer together. It is by all odds the most desirable early cabbage ever introduced. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00, by mail, post-paid.

A. R. SEARLES, Port Henry, N. Y., writes: "Your recommendation of J. & S. Earliest Cabbage hardly does justice to its merits. I set 1500 plants in May last and in sixty days I delivered good sized marketable heads to my customers. It is twenty days earlier than any I ever saw."

C. W. PRESSELL, Derry Sta., Pa., writes: "J. & S. Earliest Cabbage was ready for market in just eighty-six days from sowing, and the Lentz Beet in seven weeks. They are wonders."

CHAS. BORCHERT, Petersburg, Ill., writes: "The J. & S. Earliest Cabbage was true to representation. I had the first and best in this market, full two weeks ahead of all other cabbage."

M. YAKELY, Pittsfield, Ill., writes: "Johnson & Stokes' Earliest Cabbage is beyond doubt the earliest in cultivation. Planted side by side with the Early Jersey Wakefield, and set out at the same time, it was ready for market ten days ahead."

SPECIALTIES IN CABBAGE

♦ SELECTED. ♦

Early Jersey Wakefield Cabbage.

This variety is a most important one, because it is planted for the main early crop, and recognizing the great interests at stake with the growers of this sort, we have been unusually careful in selecting the stock from which our seed was grown. While it is not so early as *Johnson & Stokes' Earliest and New Wonderful*, it will be found to be the very best sort to come in immediately after them. We offer the very finest strain of this valuable variety. Many of the leading market gardeners around Philadelphia, New York, Boston and elsewhere pronounce it "the very best they can get." See testimonials on succeeding pages. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

New Large Early Jersey Wakefield Cabbage.

Our experience with this during the last four years shows it to be about five days later than *Early Jersey Wakefield*. The heads are fully one-half larger and quite solid. It is very compact in growth, and can be easily planted in rows two feet apart and twenty inches in the rows. One great advantage is, it does not burst open when ripe like many other early sorts, and consequently can be left standing on the ground a long while without injury, until a favorable opportunity for cutting.

No market gardener should fail to plant some of this valuable sort. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.50.

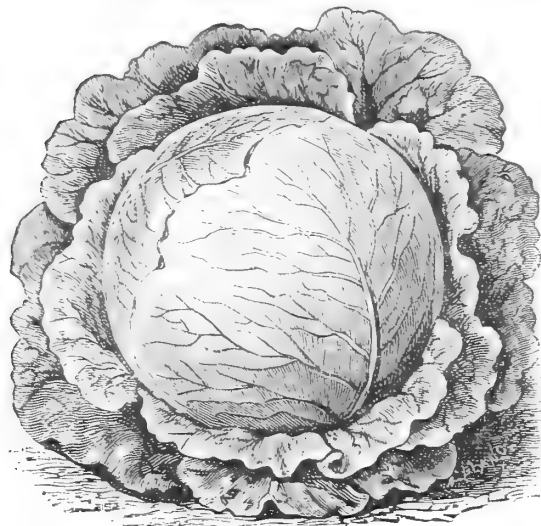


JOHNSON & STOKES' SELECTED EARLY JERSEY WAKEFIELD.

Johnson & Stokes'

Selected Early Summer Cabbage.

The illustration gives the true shape and compact habit of our strain of this valuable sort. It is ten or twelve days later than the *Jersey Wakefield*, but much larger in size, and will stand on the ground much longer without bursting open. In this respect it is much superior to *Fottler's Brunswick*. While the heads are much larger than the *Jersey Wakefield*, its very compact habit enables it to be planted almost as close. The heads are very hard and solid throughout, and of fine uniform shape. For an early summer crop this variety is much superior to the *Early Summer Drum-head* offered by many. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.



JOHNSON & STOKES' SELECTED EARLY SUMMER CABBAGE.

All-Seasons Cabbage.

This new strain of *Early Drumhead Cabbage* we first offered to the public two years since, under the broad claim of being as early as the *Early Summer* and growing a third larger. Many of our best market gardeners write us that they find our claims are fully substantiated in every particular. As its name indicates, it can be planted at all seasons. It forms a fine, large, hard head of superior quality, not bursting after heading; the heads are of great thickness, which make it a capital sort to keep through the winter. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.



EARLY WINNINGSTADT (PRUSSIAN PRIZE STOCK).

Early Winningstadt Cabbage.

THE PRUSSIAN PRIZE STOCK.

Many consider the *Early Winningstadt* the very best for early market sales, as it invariably grows very hard and will head on soils where many other sorts fail entirely. Reliable stock is hard to get, as seedsmen usually import it from England and France. The seed we offer, however, is *American-grown*, acclimated and selected from the original *Prussian Prize Stock*. Those intending to plant this variety will find this strain far superior in earliness, size, solidity and great uniformity of heading to any other ever sold in this country. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

CABBAGE.

One ounce of seed will produce about two thousand plants and show a bed of about forty square feet.

EARLY VARIETIES.

JOHNSON & STOKES' WONDERFUL CABBAGE.

See Novelties, page 4.

JOHNSON & STOKES' EARLIEST. See Specialties in Cabbage, page 27. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

SELECTED EARLY JERSEY WAKEFIELD. *Extra fine stock.* See Specialties, page 28. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

PARIS EARLY MARKET. A splendid early variety, from France, resembling Ox-heart, but of smaller size and earlier. A great favorite with French gardeners. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

NEW LARGE JERSEY WAKEFIELD. See Specialties, page 28. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.50.

VERY EARLY ETAMPES.

This new variety comes originally from France, where it is the earliest variety grown. We find it to be a valuable acquisition to our Extra Early varieties, ripening a week later than Johnson & Stokes' Earliest, and coming in a few days ahead of the Wakefield, which, previous to the introduction



VERY EARLY ETAMPES.

tion of Johnson & Stokes' Earliest, was considered by our market gardeners the earliest of all. It forms a good, hard-jointed head, as shown in our illustration, with a very short stem, growing close to the ground. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.75.

Extra Early York. A small dwarf-heading variety very early. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40.

EARLY WINNINGSTADT. See Specialties, page 28. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

Early Sugar Loaf. A very distinct sort; the heads are conical, the leaves are erect and spoon-shaped. Pkt., 5c.; oz., 15c.; lb., \$1.50.

Imperial Ox-heart. Very early; heads close, firm and tender. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

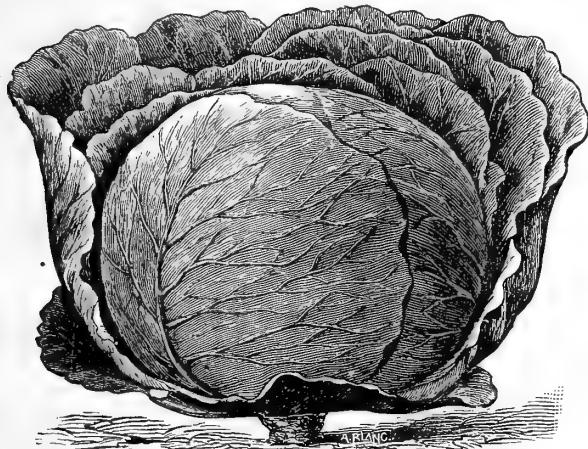
Large Early York. A superior, early-heading, robust sort. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40.

SECOND EARLY, or SUMMER VARIETIES.

JOHNSON & STOKES' MARKET GARDENERS' CABBAGE No. 2. The Best Second early or summer sort, equally as good for late or winter. See colored plate and page 16. Pkt., 25c.; 3 pkts., 60c.; oz., \$1.50; $\frac{1}{4}$ lb., \$5.00.

JOHNSON & STOKES' SELECTED EARLY SUMMER. See Specialties, page 28. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

JOHNSON & STOKES' SELECTED CABBAGE SEED—Late or Winter Varieties.



BRIDGEPORT DRUMHEAD CABBAGE.



EARLY BLEICHFIELD GIANT.

EARLY BLEICHFIELD GIANT. It is seldom we are able to recommend a new foreign cabbage as highly as this variety. Since its introduction a few years since it has grown very popular with market gardeners as a second early and summer sort. It is a short stemmed, large heading sort, tender and solid, ripening a few days earlier than Brunswick. Cabbage growers in all sections should not fail to give it a trial. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

ALL-SEASONS CABBAGE. See Specialties, page 28. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Early Drumhead. A favorite with market gardeners; a second early, large, solid-heading variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Early Peerless. A variety almost as early as Jersey Wakefield, forming much larger heads, very uniform round shape, fine grained and tender, has few outer leaves and can be planted very close; highly recommended. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

FOTTLER'S IMPROVED EARLY BRUNSWICK. A splendid second-early and late sort; short stem, large, solid heads; always sure to head. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Early Dwarf Flat Dutch. A standard second early market variety, and has no superior, producing large, fine heads. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Early Bacalan. A good second early variety, from France, with large heads of excellent quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Large Schweinfurt. A fine German variety, of large size and fine flavor; splendid for summer and fall use. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

BRIDGEPORT DRUMHEAD. This is the standard shipping cabbage around Chicago, where local growers will raise no other, and have paid as high as \$20 per pound for the seed in seasons when scarce. It makes a large, even, firm, round head, as shown in our cut. Seldom rots or bursts, and is unquestionably one of the finest shipping cabbages grown. *Extra selected seed.* Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

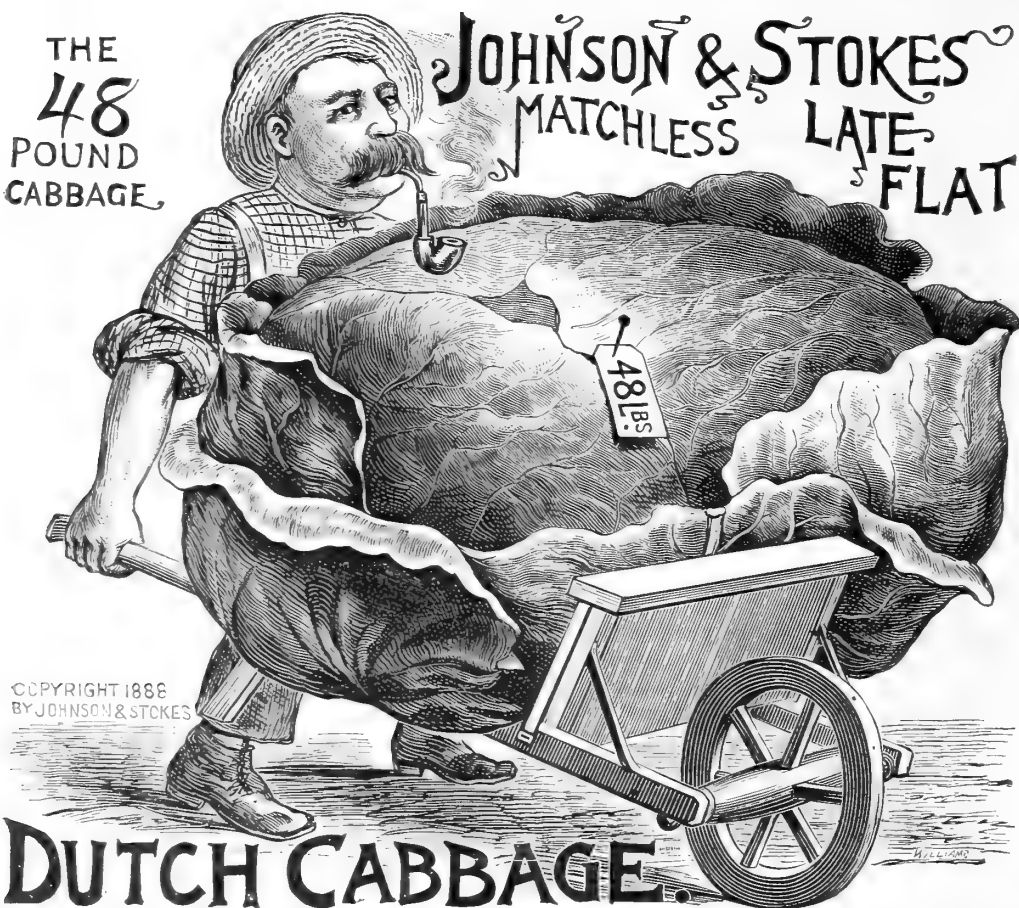
DANISH BALL HEAD. A new variety from Denmark, where it is highly prized for its round, large, solid heads. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$3.00.

PREMIUM FLAT DUTCH. This variety is largely grown for late or main crop, being the favorite winter market variety. Heads very large, solid and broad, with flat tops, of fine flavor and quality, very short stem. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00; 5 lbs. and over, by express, \$1.75 per lb.

LARGE LATE DRUMHEAD. A favorite winter variety; extra large, solid heads, slightly later than the *Flat Dutch*. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

ROYAL DRUMHEAD. This splendid variety was introduced by us a few years since from Germany. It has already become a standard late sort among market gardeners, whom we supply each season. It grows a beautiful, solid, round, compact head, with bright green foliage and short stem, ripening a few days earlier than our Premium Flat Dutch. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

THE
48
POUND
CABBAGE.

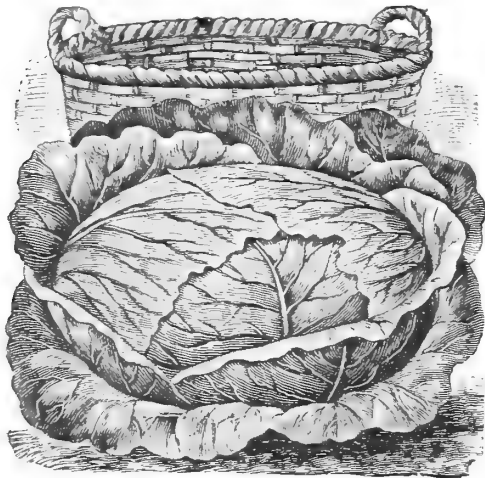


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BY JOHNSON & STOKES

DUTCH CABBAGE.

Johnson & Stokes MATCHLESS Late Flat Dutch Cabbage

In this new strain of late cabbage, we believe we have combined every good quality essential to perfection. It is the result of several years' continued selection for our seed stocks of the most perfect and largest heads, with low stocks, and especially those that show greater earliness in heading, with few outer leaves, and of very uniform color. By such persistent selection, year after year, we have a highly improved strain, pronounced by experienced cabbage growers and market gardeners, who after three years' trial now grow it in preference to all others for a main crop, *the finest strain of late cabbage in the world*. It grows larger and weighs heavier than any other variety, never fails to make a perfect, solid head, and is most uniform in size and color. We can honestly recommend this superior sort to all growers as standing alone and unequalled by any other late cabbage. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



GENUINE SURE-HEAD CABBAGE.

GENUINE SURE-HEAD. This popular cabbage is rightly named Sure-Head, and never fails to make a remarkably fine, solid, large head, with few outer leaves, as shown in our illustration. It originated some years since with a practical market gardener by crossing the Flat Dutch and Drumhead varieties, and has always brought the highest price in our markets. It is a strong, vigorous grower, ripening late for a main crop, and very uniform in size and color. Our supply is grown from the *original seed, none better* to be had at any price. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Marblehead Mammoth Drumhead. The largest variety grown. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Stone Mason. A large, solid, tender, free-heading variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Filderkraut. A German variety, with large, solid, conical heads. In Germany it is much used for making sauerkraut. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Large Late Bergen. A variety very similar to the Late Drumhead, forming large and fine heads, but rather coarse; Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

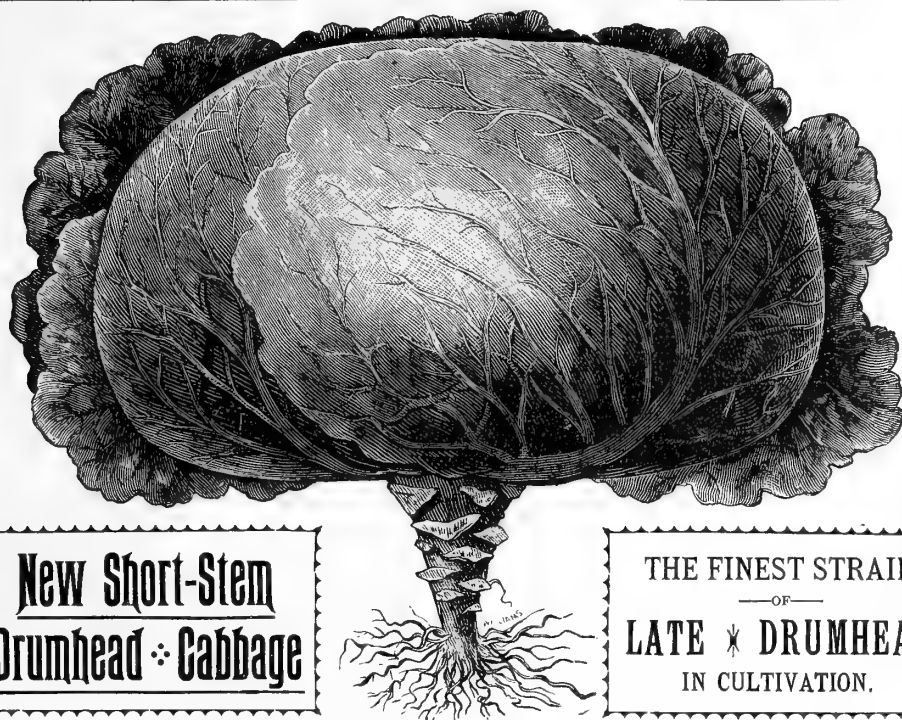
Green Glazed. A late, large-heading variety, leaves of a glossy pea green; very popular South, as it resists attacks of bugs and insects. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

AMERICAN PERFECTION DRUMHEAD SAVOY. Grows large, heads nearly round, tender, of excellent flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

Green Curled Savoy. This does not make a solid head, but being very tender is used for boiling. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

RED DUTCH ERFURT. Very early, of deep blood color, head solid. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Large Red Drumhead. Valuable for pickling. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.



**New Short-Stem
Drumhead Cabbage**

THE FINEST STRAIN
—OF—
LATE * DRUMHEAD
IN CULTIVATION.

This improved variety far surpasses the old strain of Large Late Drumhead Cabbage, ripening earlier, with very short stock or stem, forming larger and thicker heads, of fine quality and the best of keepers. Owing to our long continued selection for several years past, this variety is remarkable for reliability of heading, every one who plants it can expect at least ninety-eight large solid heads from every one hundred plants. Our customers in the South and in all other sections where many varieties fail to head, will find the Short Stem Drumhead a sure thing and can depend on big crops every time. It heads the list of the winter Drumheads. Pkt., 10c.; oz., 35c.; 2 ozs., 60c.; $\frac{1}{4}$ lb., \$1.00; 1b., \$3.00.

WHAT LEADING MARKET GARDENERS SAY OF US AND OUR SEEDS

As we sit at our desk writing this Catalogue, almost every mail brings us numbers of unsolicited letters from our last year's customers, testifying to the high quality of the seeds we have sent them, and in many cases enclosing orders for next spring's planting. We publish below extracts from a few which come from well-known market gardeners, and speak for themselves. If we were to publish all such letters that we have received in the last three months this Catalogue would contain nothing else.

BEST OF SIX LEADING VARIETIES.

C. C. BALL, Ramey, Pa., writes: "Your Matchless Late Flat Dutch Cabbage was the very best in a lot of six leading varieties of cabbage."

OUR WAKEFIELD FAR AHEAD.

F. R. AUSTIN, Tuckerton, N. J., writes: "The Jersey Wakefield bought from you the past two years are far ahead in earliness, large size and solidity of head of any cabbage I ever saw or raised. I want no other."

BEST HE EVER RAISED.

E. DRAKE, Old Forge, Pa., writes: "Your Matchless Flat Dutch and Short Stem Drumhead are the best cabbages I have ever raised."

WILL USE NO OTHER.

W. H. HYDER, Johnsville, Md., writes: "I planted your seed alongside of some obtained from other seed-houses under the same conditions. The result was so greatly in your favor that I will use no other seed."

TRUEST TO NAME.

WALTER CHRISTIE, Bergenfield, N. J., writes: "I do not hesitate in saying that after six years' experience with your seeds, find them superior in quality and more truthful to name than any house in U. S., and I have dealt with nearly all of them."

FAR AHEAD OF ALL OTHERS.

GEO. F. ADAMS, Trappe, Md., writes: "I have been getting your seeds for myself and neighboring gardeners for the past three years. Have tested yours with those of other houses bought at the same time, and find yours far ahead of any we have ever planted."

PUREST AND MOST RELIABLE.

J. D. GRESSITH, Urbanna, Va., writes: "For seven years I have purchased my seeds from you and with no exception I find them to be the purest and most reliable seeds I have ever grown."

THEY TAKE THE PALM.

GEO. F. NEWCOMB, Deloraine, Canada, writes: "Your seeds produced vegetables that were the wonder and admiration of all who saw them. They carry away the palm in this market."

IT PAYS TO SEND FOR THEM.

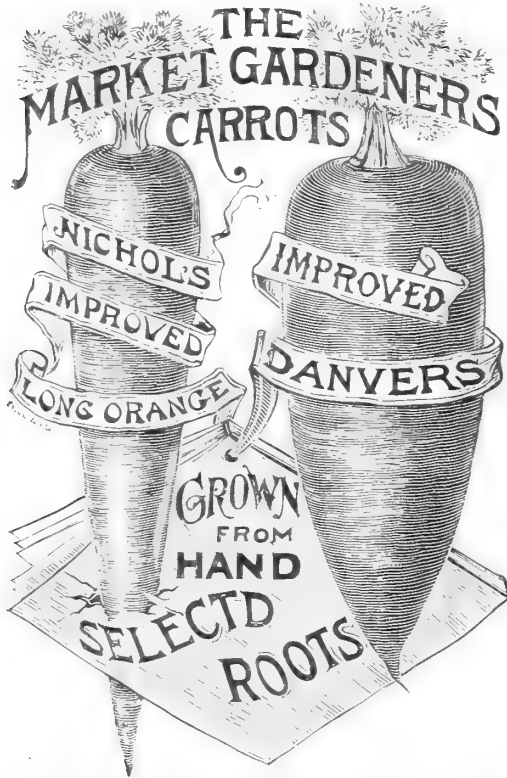
F. ZOCHOEMITSCH, Monticello, N. Y., writes: "Without exception your seeds were the finest I ever purchased from any firm. Previous to last spring I purchased my seeds at home but find it pays big to send to you for them."

BEST OF ALL.

A. DUNCAN, Mohawk, Ontario, Can., writes: "I have purchased seeds from nearly all the leading houses in the United States, and am free to say yours are the best of them."

CARROT.

One ounce will sow about one hundred and twenty-five feet of drill, and four pounds will sow an acre. Please remember to remit 8c. per pound for postage, when seeds ordered are to be sent by mail.

**NICHOLS' IMPROVED LONG ORANGE CARROT.**

We procured this stock, now offered for sale for the first time, from Mr. Robert Nichols, one of the most successful market gardeners of this city, and the mere mention of his name among his brother gardeners will be sufficient guarantee of its high excellence. The strain is earlier than either the well-known Danvers or Long Orange as usually sold. The color is of a deep golden yellow when no thicker than an ordinary lead-pencil, shading to a deep orange red when fully grown. The root is perfectly smooth from the shoulder to the extreme tip, and entirely devoid of side rootlets in all stages of growth. It grows without any neck whatever, the top is short, and this, together with its extreme earliness, admirably fits it for growing in hot-beds.

We pronounce it the ideal carrot, either for early or late use. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

IMPROVED DANVERS CARROT. Our pure American stock of this valuable variety is preferred by many market gardeners to any other sort for forcing under glass. The top is very small; color of a rich shade of orange; shape very handsome and smooth; quality the very best. One highly valuable feature of our strain is that it has its full color when quite young, which enables it to be pulled sooner than any other sort.

It is equally as valuable to grow for feeding stock, being well adapted to all soils and will yield the greatest bulk with the smallest length of root of any other sort. Under good cultivation we have known it to produce thirty tons to the acre. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., \$1.00; 5 lbs., by express, \$4.25.

LONG ORANGE. The well-known and popular old stand-by for late summer and winter use; grown extensively for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

Very Early Short-Horn Scarlet, or French Forcing. The earliest forcing variety; small root and excellent flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Early Scarlet Horn. The favorite summer variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

Early Half-Long Scarlet. A desirable variety, remarkably smooth and rich color, very fine for table use or forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

NEW CHANTENAY. This new variety originated in western France, where it is already a great favorite with the gardeners. In shape it resembles the Half-Long Nantes, but has larger shoulders and a more tapering root end. It has a fine deep scarlet color, and almost without core. It is of extra fine quality and very productive. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

SAINT VALLERY, or NEW INTERMEDIATE RED. This splendid variety originated in France, near the city of St. Vallery, from whence it takes its name. It has grown rapidly in popularity among French growers, superseding most of the older sorts. It grows to uniform large size, intermediate in shape between the Half-Long and Long Orange. The roots are straight and smooth, broad at the top, measuring about two and three-fourths inches across, with a length of about eleven inches. The color is a rich orange red, its table qualities are faultless. It will be found a most excellent variety for either garden or field culture. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



NEW OX-HEART, OR GUERANDE CARROT.

OX-HEART, or HALF-LONG GUERANDE. (*Stump-rooted*.) This new French carrot is one of the most valuable of all recent introductions, either for family use or market. It is an intermediate between the half-long and horn varieties, attaining a diameter of three to four inches at the neck, and of most beautiful shape and rich orange color. It is of extra fine quality and very productive. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

HALF-LONG NANTES. (*Stump-rooted, new.*) A fine intermediate variety, bright scarlet color, smooth, large and of excellent quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

NEW LONG RED CORELESS. This new variety is one of the best long carrots we have ever grown; it grows ten to twelve inches long, and two inches in diameter; very smooth, stump-rooted, good color, of excellent quality, free from any heart or pith. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Long Red Altringham. A large, good flavored field variety for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

LARGE WHITE VOSGES. Another valuable new variety, with fine white flesh of excellent quality; large size, and by reason of its shape, is easily dug; very productive and nutritious; excellent for stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Large White Belgian. Grows one-third above ground; large white roots, with green top; grown exclusively for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Large Yellow Belgian. A good stock-feeding variety, differing from the above only in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CAULIFLOWER.

One ounce will produce about fifteen hundred plants, and sow about forty square feet.

JOHNSON & STOKES' NEW EARLY ALABASTER. Of American origin; the earliest, best and surest heading variety yet introduced. See Novelties, page 5. Pkt., 35c.; 3 pkts., \$1.00; $\frac{1}{4}$ oz., \$2.00; oz., \$8.00.

EXTRA SELECTED EXTRA EARLY DWARF ERFURT. One of the earliest varieties; small-leaved, dwarf for forcing, producing very solid, pure white heads of the finest quality; about fifteen inches high. Do not confound this variety with the cheaper Early Dwarf Erfurt. Pkt., 25c.; $\frac{1}{4}$ oz., \$1.50; oz., \$5.00.

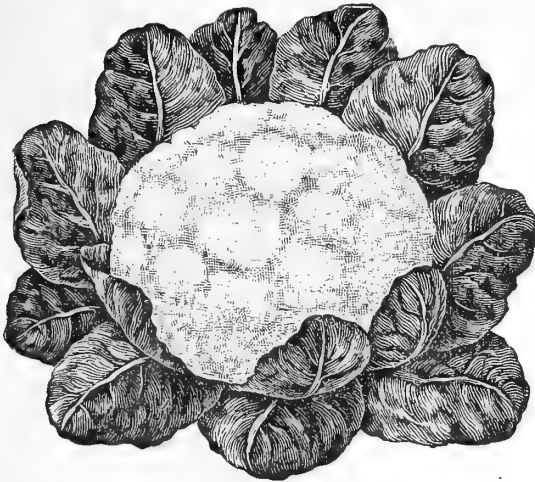
Early London. A good old variety, with white compact heads. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.75.

Extra Early Paris. A popular early white sure-heading variety. Pkt., 10c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00.

Lenormand's Short Stem. A large late variety, with well-formed white heads of extra quality. Pkt., 10c.; oz., 75c.; $\frac{1}{4}$ lb., \$2.25.

Veitch's Autumn Giant. Large, fine heads, well protected. Pkt., 10c.; oz., 65c.; $\frac{1}{4}$ lb., \$2.00.

Algiers. One of the best sure-heading late varieties. Pkt., 10c.; oz., 75c.; $\frac{1}{4}$ lb., \$2.50.



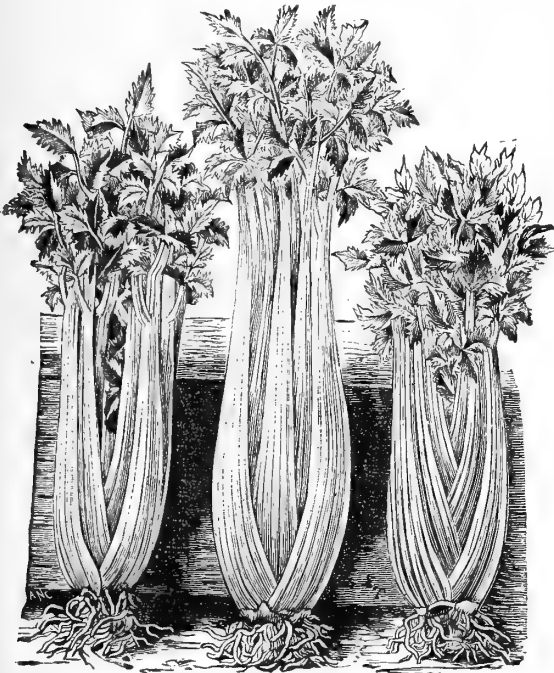
GILT EDGE SNOWBALL CAULIFLOWER.

GILT EDGE EARLY SNOWBALL. The strain we have of this variety is without doubt the *very best to be had*. Our stock was grown from the very finest specimens, noted for their earliness, dwarf habit, large size, uniform shape, and compact growth. None of those we set out for seed failed to produce large, beautiful, smooth, snow-white heads. For forcing under glass during winter and early spring, or for planting later in the open ground, no stock supplied by any other house can surpass it. It should never be planted more than eighteen inches apart each way. Pkt., 25c.; $\frac{1}{4}$ oz., \$1.00; oz., \$4.00; $\frac{1}{4}$ lb., \$14.00.

CELERY.

One ounce will produce about twenty-five hundred plants and sow about 200 feet of row.

KALAMAZOO BROAD RIBBED. The *most perfect type* of Dwarf White Celery known to market gardeners. Try it. See Novelties, page 13. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$1.00.



GOLDEN HEART. GIANT WHITE SOLID. WHITE PLUME.

WHITE PLUME. Each year adds to the popularity and value of this variety. Many market gardeners now plant their entire crop of it with the most profitable results. Like our *Golden Self-Blanching*, the heart and stalk is naturally white, and consequently it requires very little earthing up to blanch it, while most other varieties neces-

sitate high banking with the hoe, which is both costly and troublesome. Its eating qualities are of the very best, and although its keeping qualities are not equal to our *Golden Self-Blanching*, yet as a celery for the fall and early winter use it is unsurpassed. When placed alongside of our *NEW ROSE CELERY*, it forms the finest kind of an ornament for either the market stall or dining-table. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$4.00.

GOLDEN HEART DWARF. This distinct variety is the *most popular variety among market gardeners*. It is entirely solid, an excellent keeper, and of fine nutty flavor. In size and habit of growth, it is much the same as *Half-Dwarf White* kinds, except, when blanched, the heart, which is large and full, is of a waxy, golden yellow, rendering it very striking and showy for either market or private use. We have an unusually fine strain, and sell hundreds of pounds each season to our most critical market gardeners. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.50.

GIANT WHITE SOLID. The best of the large growing sorts and a favorite variety, solid, crisp and tender. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



JOHNSON & STOKES' GOLDEN SELF-BLANCHING CELERY.

JOHNSON & STOKES' GOLDEN SELF-BLANCHING. This new variety, which we first introduced to the American public in 1884, we can recommend to our friends and customers with great confidence. It is pronounced by all our market-garden patrons who have grown it on our recommendation the *very best celery in cultivation*. Unlike other self-blanching varieties, it is a *perfect keeper*, fully equalling *Golden Dwarf*, *Boston Market* and other varieties, which are celebrated for their keeping qualities. Our illustration above will give some idea of its *handsome form*, growing to very large size, but very stocky and robust. The stalks grow vigorously, with large ribs, very thickly and closely set. It is *entirely self-blanching*, without any banking-up or covering whatever, even the outer ribs assuming a yellowish-white color of a very fresh and pleasing appearance. The heart is of a beautiful golden yellow color, very large, crisp and solid, and unsurpassed in delicious quality and flavor. It is unequalled in striking appearance on the table or market stall. Beware of mixed and spurious seed of this variety. Our supply of seed is grown by the originator and each package contains our trade label. Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$2.00.

NEW ROSE. In England, the Pink or Red Celeries are much more largely used than the White varieties, and we have often wondered why they were not more grown in this country. They possess many advantages over the White, being *hardier, more solid, and better keepers*. The *New Rose* is the best of all the red varieties, combining all these desirable qualities, and is the most ornamental for the table, with its beautiful rose-colored heart and pink stems. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

CELERY—Continued.

CRAWFORD'S HALF-DWARF. also known as *Henderson's Half-Dwarf*. This variety is a great favorite. When blanched, it is of a yellowish-white, making it very ornamental; entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large-growing sorts in weight. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.50.

Imperial Dwarf Large Ribbed. An excellent variety, white, very solid, fine, sweet flavor and a good keeper. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

NEW FERN-LEAVED. A splendid, unusually large and solid new variety. The leaves resemble those of the fern-leaved parsley, rendering it the most ornamental variety in cultivation. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 15c.

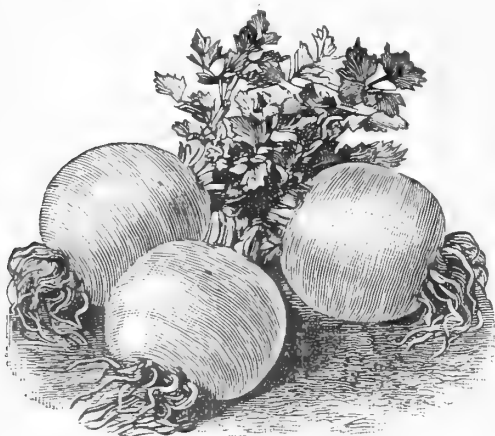
Sandringham Dwarf White. White, so, id, crisp, and of fine flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Boston Market Dwarf. A bushy, white, solid, fine flavored market celery. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Incomparable Dwarf Crimson. A fine red variety, large, solid, crisp, of superior quality and rich color. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.40.

Soup, or Flavoring Celery (Old Seed). Used for flavoring soups, stews and pepper sauce. Oz., 5c.; lb., 30c.

CELERIAC.—(Turnip-Rooted Celery.)



NEW LARGE SMOOTH PRAGUE CELERIAC.

LARGE SMOOTH PRAGUE. The largest, smoothest and best of the celeriacs. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75. See cut above.

Apple-Shaped. A new kind, with small foliage, the roots being smoother and rounder than the old sort. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

CORN.—Sweet or Sugar.

One quart will plant about two hundred hills, and one peck is required to plant an acre in hills.

Please remember our prices on Sweet Corn do not include postage. Add 10c. per pint, 20c. per quart for postage when ordered to be sent by mail. Ears of small varieties 5c. each, large varieties, 10c. each.

LARGE PACKETS OF ANY VARIETY, 5c. EACH, POST-PAID BY MAIL.

EARS OF EARLY VARIETIES, 5c. EACH; LATE VARIETIES, 10c. EACH,

SWEET CORN.—Early Varieties.

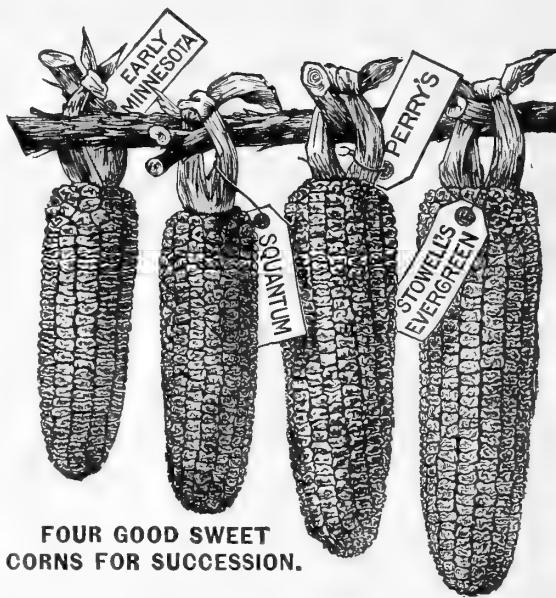
Half peck and half bushel at peck and bushel rates.

BURLINGTON HYBRID. A cross between Adams' Extra Early and Sweet Corn, as early as the Adams', but larger and sweeter. See Novelties, page 6. Pint, 35c.; qt., 60c.; peck, \$2.75.

THE HONEY. The sweetest of all sugar corn. See Novelties, page 12. Pint, 40c.; qt., 60c.; peck, \$3.00.

Adams' Extra Early. The hardiest and earliest variety for table use, but not a sweet corn; white grain and short ear. Pint, 10c.; qt., 20c.; peck, 90c.; bush., \$3.50.

STABLES' EXTRA EARLY. A very popular variety with Philadelphia gardeners, noted for its earliness and great sweetness. Pint, 10c.; qt., 20c.; peck, \$1.25; bush., \$4.00.



FOUR GOOD SWEET CORNS FOR SUCCESSION.

EARLY GOLDEN, or ORANGE. We introduced this new and distinct variety, after a two years' trial. Many of our customers pronounce it the most valuable of all recent introductions for family use. It is of delicious quality. The seed, when dry, is of a beautiful golden color, hence the name we have given it. Pint, 10c.; qt., 20c.; peck, \$1.25.

MARBLEHEAD EARLY. This variety, before the introduction of the Cory, was considered the earliest of all. The stalk is of dwarf growth, and ears set very low down; it is of fair market size and very sweet. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

NEW EARLY BONANZA. An extra early variety with ears as large as *Evergreen*. This valuable variety originated a few years since with an enterprising market gardener of this city, who astonished his brother gardeners by having in market several weeks ahead of any of them large, fine ears of sweet corn in great abundance, and for which he obtained almost fabulous prices, it having become quite celebrated for its fine quality, and was much sought after. He had always kept the seed in his own hands until we obtained of him seed enough to plant a few acres. It is undoubtedly as early as *Minnesota*, *Crosby's* and other extra early varieties, while the ears are much larger than in any other early variety. It is exceedingly prolific, bearing two or three good ears to a stalk. Pint, 15c.; qt., 30c.; peck, \$1.50; bush., \$5.00.

Early Narragansett. Very early, ears small, red grain, tender and of good quality. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

EARLY MINNESOTA. One of the earliest, of dwarf habit; ears small, productive and good. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

EARLY RED COB. A new Extra Early variety from Connecticut, with fine large ears; a profitable market sort. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

EARLY MAMMOTH, or ASYLUM. Ripens about two weeks earlier than *Late Mammoth*; ears somewhat smaller, but of good market size. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

CROSBY'S EXTRA EARLY. An early market variety, very productive, ears rather short, and rich, sugary flavor. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

ROSLYN HYBRID. A medium early variety, with large, fine ears, and in quality equal to *Stowell's Evergreen*. Much prized by canners and fine for market. Pint, 10c.; qt., 20c.; peck, \$1.25; bush., \$4.00.

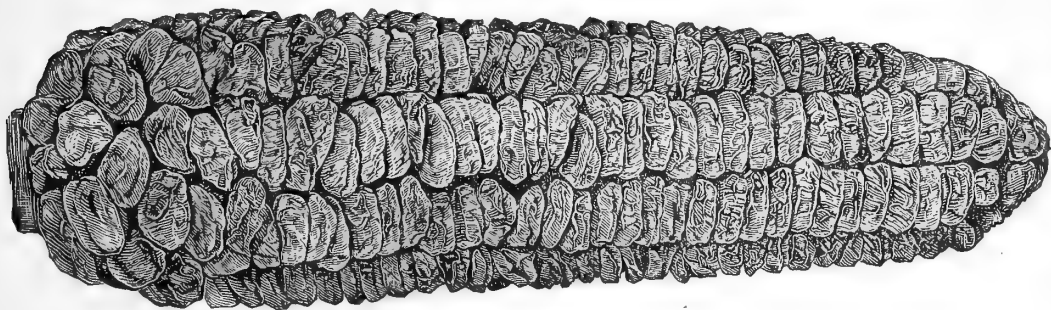
Moore's Early Concord. Very early, with large ears, twelve to eighteen rows; excellent in quality for table or market. Pint, 10c.; qt., 20c.; peck, \$1.00.

Early Large Eight-Rowed. A fine early sort; the ears are of large size, and have but eight rows; delicious quality. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

PERRY'S HYBRID. A new extra early variety, with large, fine ears, about twice the size of *Minnesota*; twelve-rowed and of fine quality. Pint, 10c.; qt., 20c.; peck, \$1.25; bush., \$4.00.

OLD COLONY. A very sweet and wonderfully productive variety, averaging three ears on every stalk. The ears are of large size and well filled out. It ripens extra early. Its distinctive value lies, however, in its fine sugary flavor. Pint, 10c.; qt., 20c.; peck, \$1.25; bush., \$4.50.

SHAKER'S EARLY. A new variety of excellent quality, ripening with the *Early Minnesota*, but with larger ears; produces two or three large ears with each stalk. Pint, 10c.; qt., 20c.; peck, \$1.25; bush., \$4.00.



==THE CORY SWEET CORN.==

After carefully testing this new variety, we were the first to offer it three years since; grown side by side with Marblehead and other early varieties, it leads them all by *fully a week*. It will produce good ears for boiling in *fifty-two days from planting*. The above engraving we have had made from a photograph and is very accurate. It has a larger kernel than the Marblehead, and is quite distinct, being whiter in color. Market gardeners and others who have grown the Cory Corn, have completely controlled the early market. Our stock comes directly from Mr. Jos. Cory, the originator. Pkt., 5c.; pint, 13c.; qt., 25c.; peck, \$1.25; bush., \$4.00.

Excelsior. Moderately early, and possesses all the good qualities of the Evergreen. Pint, 10c.; qt., 20c.; peck, \$1.00.

Triumph. An early large-eared variety; very productive and rich in flavor. Pint, 20c.; qt., 35c.; peck, \$1.00.

SQUANTUM, or POTTER'S EXCELSIOR. An excellent variety of the finest quality, for table use and market; ripens early, with fine large ears and deep grain. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.75.

Amber Cream. This handsome, medium early sort is a strong, vigorous grower, stalks six to seven feet high; the ears are large, white, *handsome* and *very sweet*. When dry the seed is of amber color, varying from a light to a dark shade. Pint, 10c.; qt., 20c.; peck, \$1.00.

SWEET CORN.—Late Varieties.

Large packets, 5c.; ears, 10c., post-paid.

STOWELL'S EVERGREEN. The best and one of the sweetest; ears large, remaining green longer than any other variety. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$2.50. Special prices for larger quantities.

MAMMOTH. The largest of all varieties; ears very large, productive, flavor rich and sweet; a fine market variety. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

Egyptian. A large variety, somewhat resembling the Evergreen; flavor peculiarly rich and sweet, and superior quality. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.50.

NE PLUS ULTRA. A new variety, first sent out by us a few years since, and already quite popular. The ears are medium size, grains deep, and rows very irregular; produces three to four good ears to a stalk. It is a valuable and distinct acquisition. Its delicious flavor is unsurpassed. Pint, 13c.; qt., 25c.; peck, \$1.25.

Black Mexican. A variety with black ears; one of the sweetest. Pint, 13c.; qt., 25c.; peck, \$1.25.

Fodder Sweet Corn. For soiling and green fodder. Bush., \$1.75; 5 bush. and over, \$1.50 per bush.

POP CORN.

QUEEN'S GOLDEN POP CORN. This new sort is the best of all for popping, owing to its large size and extreme tenderness when popped. It grows about six feet in height, and bears three to four good ears to a stalk. Ear, 10c.; 3 ears, 25c.; pkt., 10c.; pint, 30c.; qt., 50c.; post-paid; by express, lb., 15c.; 2 lbs., 25c.; 10 lbs., \$1.00.

RICE POP CORN. A splendid variety for popping purposes; grains sharply pointed. Pkt., 10c.; pint, 30c.; qt., 50c., post-paid.

SILVER LACE POP CORN, Pearl Pop Corn (Small Grain), Eight-Rowed Pop Corn (Large Grain). Each, per pkt., 10c.; pint, 30c.; qt., 50c., post-paid; by freight or express, lb., 10c.; 3 lbs., 25c.; 100 lb., \$5.00.

Corn for Field Culture. Will be found under *Farm Seeds*.

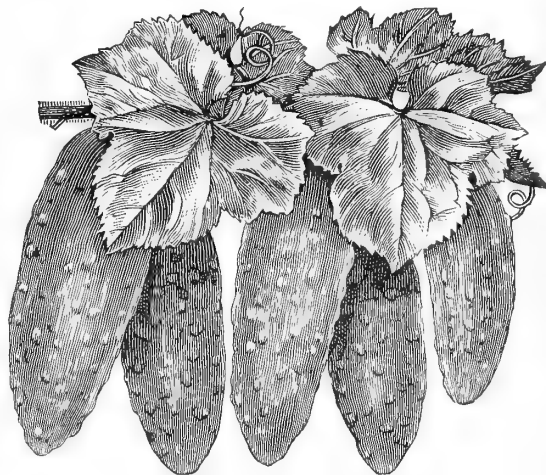
CORN SALAD.—Fetticus.

One ounce will sow about eighteen square feet, and six pounds will sow one acre.

Broad-Leaved (Large-seeded). The best variety for market purposes. Pkt., 5c.; oz., 10c.; lb., 65c.



One ounce will plant about fifty hills; two pounds will plant one acre.



JERSEY EXTRA EARLY PROLIFIC PICKLE.

JERSEY EXTRA EARLY PROLIFIC PICKLE. This splendid new variety was originated and selected by a prominent New Jersey pickle grower in the celebrated pickle section on the Delaware River, about twenty-five miles above Philadelphia, where more pickles are grown than in any other section of the United States. It is ten days earlier than the old Long Green or Jersey Pickle and more productive. Is pronounced by growers of thirty years' experience "a perfect pickle in all respects." Try it. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Early Russian. A very early, hardy, productive variety; produced in pairs. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Early Frame, or Early Short Green. Of medium size, straight and excellent for table use or pickling. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Early Cluster. Quite early, and very productive, medium in size, and of a pale green color, and turns to a brownish yellow when ripe. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

Peerless, or Improved Early White. Very early and productive; medium to large size, deep green, crisp, fine flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 80c.

Green Prolific or Boston Pickling. A short pickling variety, of fine form and flavor, enormously productive, crisp and tender. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.



QUEEN'S GOLDEN.



New Cucumber, Evergreen White Spine.

We have sold this entirely new and improved strain of this well-known Cucumber for three years, and have received hundreds of letters from customers who purchased the seed, all of whom agree in pronouncing it the handsomest and most productive of any they have ever grown. It differs from the ordinary White Spine in the fact of always *remaining of a deep green color*, in all stages of growth. It grows *extra long*, of handsome, smooth shape, *very early and prolific*. It is a very hardy sort and will not turn yellow after being picked from the vine, but will permanently retain its deep green color. The flavor is delicious, the flesh being unusually *tender and crisp*. As a shipping variety it is superior to any we know of, and its fine appearance always insures "top notch" market price. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

NEW GIANT OF PERA.

This magnificent variety was first brought here from Turkey. They are of the most delicious flavor, no other cucumber we have ever eaten surpassing them. Another remarkable quality is that they are very crisp and tender at all stages, and can be eaten at any time during growth. They grow to an enormous size, frequently to one and one-half feet in length and ten to eleven inches in round circumference; very smooth and straight, with a beautiful green skin. The vines grow vigorously, fruit sets near the hill and grows closely together, making them exceedingly prolific. The seed cavity is very small and the seeds are slow to form and few in number. Pkt., 10c.; 3 pkts., 25c.; oz., 50c.

White Japan. Very desirable for the table or pickles, being pure white, productive and of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Tailby's Hybrid. A hybrid of the White Spine, with a large English variety, retaining the prolificness of the former, united with large size, hardness and desirable market qualities. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Long Green Turkey. A leading variety for pickling; of excellent quality, dark green, firm and crisp. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

NICOLL'S MEDIUM GREEN. This new variety was originated near Columbus, O., by an extensive grower for market. In length it is medium between the White Spine and Long Green; very thick through and full at both ends, presenting a beautiful type; skin of a light green color and very smooth; the vines are very hardy and productive; they are excellent for slicing or pickling. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

IMPROVED LONG GREEN. (Jersey Pickle). A standard pickling variety; dark green, tender, crisp, productive, of fine flavor and uniform size. Our strain is unsurpassed. We supply each season hundreds of the most critical Jersey market gardeners and pickle growers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



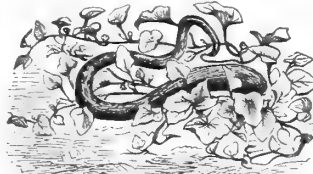
GIANT OF PERA.

Khiva, or Russian Netted. Of excellent quality, skin brown and netted, flesh white; well suited to cold Northern climates, being very hardy. Pkt., 5c.; oz., 20c.

West India Gherkin, or Burr. Also known as the *Jerusalem Pickle*; used only for pickling. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.00.

ENGLISH FRAME VARIETIES.

Carter's Champion, Blue Gown, Telegraph, Giant of Arnstadt and other good sorts. Each, per pkt., 25c.



SOOLY QUA, OR SNAKE CUCUMBER.

Sooly Qua, or Snake Cucumber. A great curiosity, growing six feet long, and coiled like a snake, with the head protruding.

The Chinese consider this variety a great delicacy, either raw or boiled. Pkt., 10c.; 3 pkts., 25c.

CHERVIL.

Curled. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

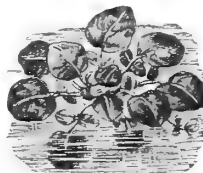
CHICORY.

Large Rooted. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

COLLARDS.—(Colewort.)

True Georgia, or Southern. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

CRESS, or PEPPER GRASS.

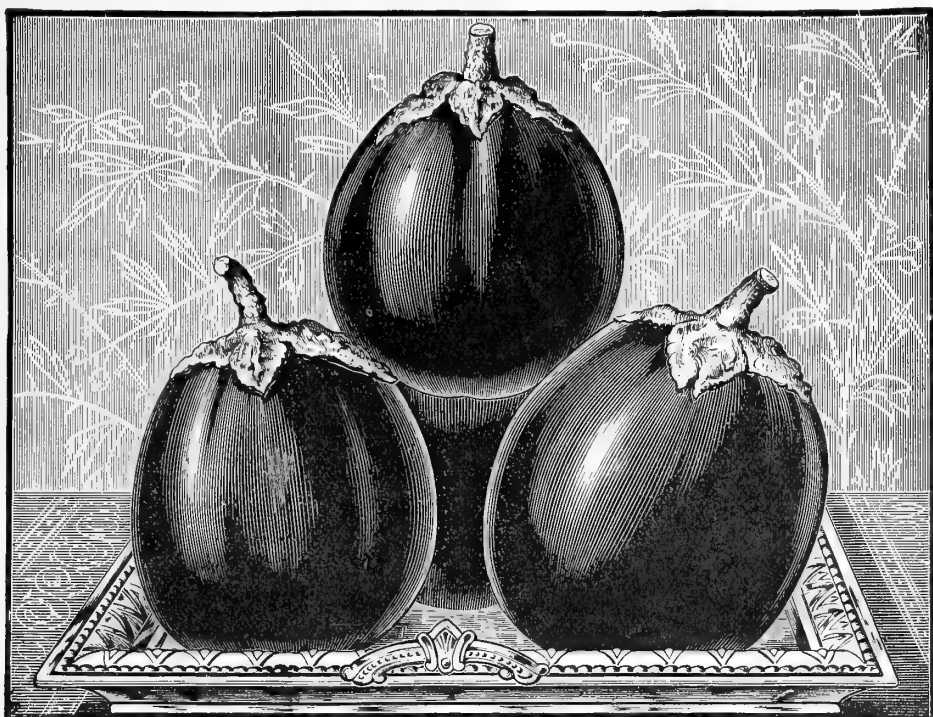


WATER-CRESS.

One ounce will sow about fifteen square feet.

Extra Curled. Fine flavor, and can be cut several times. Pkt., 5c.; oz., 10c.; lb., 50c.

TRUE WATER-CRESS. An aquatic plant, with oval leaves. Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



NEW JERSEY IMPROVED LARGE PURPLE.—THE FINEST OF ALL EGG-PLANTS.

New Jersey Improved Large Purple Smooth Stem Egg-Plant.

The State of New Jersey supplies the North with the handsomest, largest and finest egg-plants grown in the United States, and it is from this state that one would naturally expect to secure the best seeds. This superior strain was brought to perfection by one of the most successful egg-plant growers in the state. It is a *decided improvement* on the New York Large Purple in quality, size and great beauty. The plants are large and vigorous, leaves of a light green shade, fruit early, very large, oval and of a fine deep purple—never red nor yellow; flesh white, tender and of superior quality. Market gardeners and shippers will find this variety the *very best in cultivation*. Our seed is grown by the originator. Pkt., 15c.; 2 pkts., 25c.; oz., 75c.; $\frac{1}{4}$ lb., \$2.00.

EGG-PLANT.

One ounce will produce about one thousand plants.

Extra Early Dwarf Round Purple. A distinct variety; ripens a month earlier than the New York Large Purple; is of the same round shape, but smaller in size. It is extremely hardy, well adapted to the North, where it has heretofore been impossible to grow this vegetable to perfection. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

New York Large Purple. A leading market variety; large, round, dark purple, excellent and productive. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., 1.25; lb., \$5.00.

Black Pekin. A very handsome variety, with large, round, black fruits; very smooth and glossy, of fine delicate flavor; very prolific and matures quite early. Pkt., 10c.; 3 pkts., 25c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50.

ENDIVE.

One ounce will sow fifteen feet of drill, and will produce about three thousand plants.

NEW MAMMOTH GREEN CURLED. This very beautiful and valuable variety grows to full twenty inches in diameter. The leaves are very crisp, much cut and curled, tufty and full in every stage of growth. The mid-rib is pure white, thick, fleshy and tender. It is equally suitable for spring, summer or autumn planting. It is an exceedingly fine, late fall sort, owing to its extreme hardness. The quality is exceedingly good and blanches very readily, and its handsome appearance causes it to outsell all other varieties. This variety was named and introduced by us last season and had a very large sale. All who grew it say that no other variety should be planted. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$3.00.

Green Curled. The well-known old sort, with dark green, curled leaves, tender and crisp. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early White Curled. Leaves pale green; large size, crisp and tender. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

DANDELION.

Improved Large Leaved. A very early and healthful spring salad. Sow early in the spring in drills eighteen inches apart, and thin out to six inches in the drills. Pkt., 10c.; oz., 60c.

FENNEL.

Florence Celery-Rooted. A novelty from Italy, where, owing to its delightful sweet flavor, it is much preferred to celery. It thrives remarkably well in our climate, and is of the easiest culture. Seed can be sown early in spring and cultivated same as parsley, except that the thickened part of the root should be covered with soil a short time before completing its growth. Pkt., 10c.; 3 pkts., 25c.

GARLIC.

This is extensively used in many places for flavoring soups, stews, etc. The sets should be planted early in spring in rich soil in rows one foot apart, and from three to five inches apart in the rows. Cultivate like onions. In August the tops die off and the crop is ready to gather. $\frac{1}{4}$ lb., 20c.; lb., 50c.

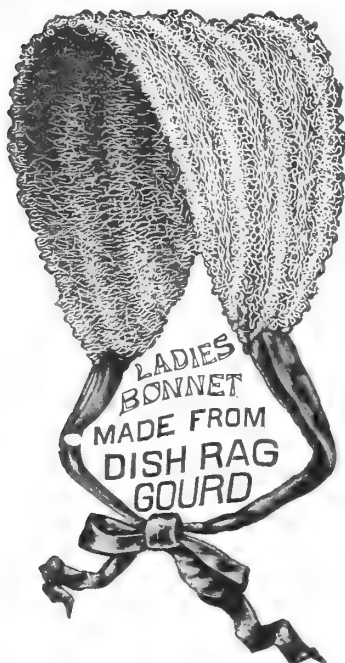
GOURDS.

JAPANESE NEST-EGG. These exactly resemble in color, shape and size, the eggs of hens, do not crack, and are uninjured by cold or wet; they make the best nest-eggs. As the plant is a rapid-growing climber, it is very useful for covering screens, etc. Pkt., 10c.; 3 pkts., 25c.

DIPPER. Named for its resemblance to a dipper. The capacity varies from a pint to a quart, with handles six to twelve inches long. They are convenient for dipping hot liquids, etc. Pkt., 10c.; 3 pkts., 25c.

SUGAR TROUGH. Very useful for baskets, dishes, buckets, etc., etc. They have hard, thick shells, lasting for years, and capable of holding from two to ten gallons each. Pkt., 10c.; 3 pkts., 25c.

FINE MIXED. A large collection of the most ornamental, including all the above. Pkt., 15c.; 2 pkts., 25c.; 5 pkts., 50c.

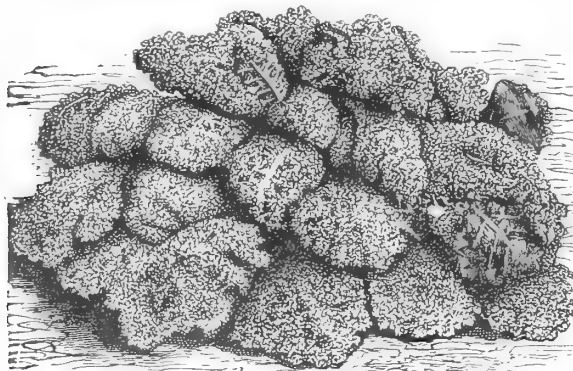


as new. Even with daily use they will last for years. The dried interiors of these gourds have already become an article of commerce: they are sold by druggists in Philadelphia and New York, while in England their sale and use are quite general. Every housewife should procure a packet of this seed. Pkt., 10c.; 3 pkts., 25c.; 7 pkts., 50c.

KALE—Borecole.

One ounce will produce about two thousand plants.

NEW MOSS CURLED HALF-DWARF. This new and beautiful variety is fast becoming popular with the gardeners around Paris. It is between the dwarf and tall varieties, with yellowish-green, finely fringed leaves. It is the handsomest and most ornamental variety we have ever seen, and is extremely hardy. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.



DWARF GREEN CURLED SCOTCH KALE.

DWARF GREEN CURLED SCOTCH. This is the principal sort grown throughout the Southern States for Northern markets. It is very hardy and will remain over winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed eighteen inches in height. The leaves are of a bright green color, beautifully curled, and produced in great abundance. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

SIBERIAN CURLED. This variety grows larger and coarser than the preceding; the leaves are not so deeply curled and are of a bluish-green color. In point of hardiness it exceeds all other sorts, being fully capable of withstanding ten degrees below zero without injury. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

DISH-CLOTH OR LUFFA. A native of the East Indies, and in its nature has furnished us with a vegetable dish-cloth, the seeds being enveloped in a sponge-like cloth, which is tough, elastic and durable. The fruit grows about two feet in length, and the vine grows rapidly, producing clusters of large yellow blossoms; many ladies prefer this dish-cloth to anything that can be made. It also makes a handsome Summer Bonnet, very unique and tasteful (see illustration). For the bath, and for all uses of the toilet in general, the "Dish-Rag Gourd" is taking the place of the sponge. It is, in fact, a sponge, a soft brush and a bath glove combined; the fibre wears away almost imperceptibly, and as long as any part is left they are as good

TALL GREEN CURLED SCOTCH. A favorite with Northern market gardeners; growing about two feet in height, very hardy and improves by frost; leaves green and beautifully curled and wrinkled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

SEA KALE. Grown for its blanched shoots, cooked like *Asparagus*. Sow the seed early in the spring, in rows two feet apart; thin out to stand six inches in the rows; before winter, cover with litter or leaves, and the next spring transplant in hills, three feet apart each way. Pkt., 10c.; oz., 25c.; lb., \$2.50.

KOHL RABI—Turnip-Rooted Cabbage.

This is a favorite vegetable in Europe, where it is extensively grown for feeding cattle, as well as for table use.

One ounce will sow about one hundred and fifty feet of drill.

EARLY WHITE VIENNA. Flesh tender and white, excellent for table use and market. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

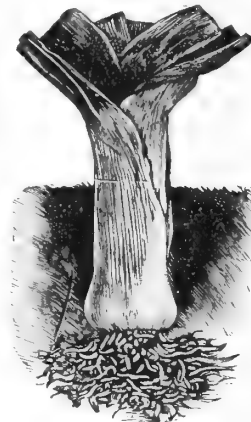
Early Purple Vienna. A little later than the White; color bluish-purple. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LEEK.

One ounce will sow one hundred feet of drill, and produce about one thousand plants.

NEW GIANT ITALIAN. We introduced this new leek from Italy and guarantee it to be the largest and finest leek in cultivation. It is fully twice the size of the ordinary London leek, and much handsomer in appearance. Like the Italian onions it is very mild and agreeable in flavor, extremely hardy, and a fine keeper. All those who grew it last year were astonished at its large size and fine white appearance. We know of no leek as well adapted to market gardeners' purposes as this valuable new sort. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LARGE AMERICAN FLAG. Previous to our introduction of the Giant Italian, this was the favorite variety



NEW GIANT ITALIAN.

with our gardeners. Very fine and large. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

London Flag. Large, with broad leaves growing on two sides. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Large Musselburgh. Grows to a very large size; of excellent quality. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LETTUCE.

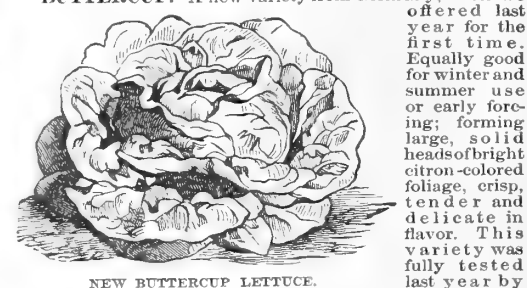
One ounce will sow about one hundred square feet and produce about three thousand plants.

CALIFORNIA ALL HEART. See Novelties, page 2.

NEW WHITE RUSSIAN SUMMER. The finest of all market sorts. See Novelties, page 4. Pkt., 15c.; oz., 45c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

NEW WHITE PEACH. Crop failed.

BUTTERCUP. A new variety from Germ any, which we



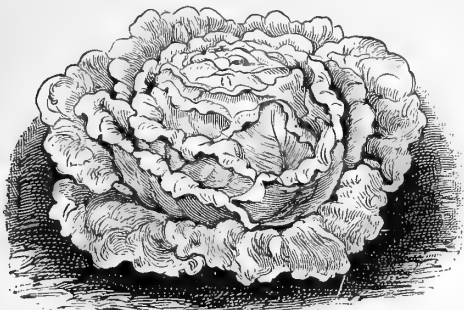
NEW BUTTERCUP LETTUCE.

offered last year for the first time. Equally good for winter and summer use or early forcing; forming large, solid heads of bright citron-colored foliage, crisp, tender and delicate in flavor. This variety was fully tested last year by many of our best market and family gardeners, and is pronounced by many the very best lettuce they have ever grown. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

EARLY OHIO. A splendid new cabbage lettuce, with large, solid, light-green heads, of the finest quality and flavor. It is equally fine for spring or summer use, and is very slow to run to seed. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.40.

PHILADELPHIA EARLY WHITE BUTTER CABBAGE, or RIDGE. A favorite among the market gardeners for sowing in the fall, being nearly hardy and producing fine greenish-white, well-formed heads early in the season, of extra quality. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.60.

LETTUCE—Continued.



DEFIANCE SUMMER LETTUCE.

DEFIANCE SUMMER. An unusually fine, large-growing summer cabbage lettuce; leaves of a light-green color, remaining tender and crisp for a long time. It withstands summer heat to a remarkable degree. This variety, when fully introduced, must become a standard sort with market gardeners. Try it. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Curled Silesia. A fine early curled variety, which does not head; leaves large and tender, of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

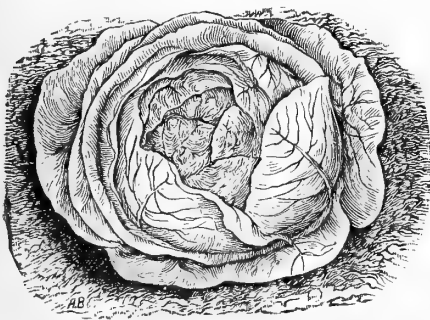
Early Curled Simpson. This does not head, but forms a close, compact mass of leaves; early and excellent for forcing. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

IMPROVED HANSON. An improved strain of this superior curled, heading variety, of large size, often weighing from two to three pounds; sweet, tender and crisp, even to the outer leaves, of a beautiful green without and white within. Resisting heat and drought well. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

PHILADELPHIA DUTCH BUTTER SPOTTED. Producing large heads, of excellent quality; one of the best for the market gardener; stands heat well and slow to run to seed. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Tennis Ball, or Boston Market. A very early variety, forming a small, close, hard head; very hardy, crisp and tender. An excellent variety for forcing. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

NEW OAK-LEAVED. A distinct and beautiful new variety which should be in every garden. The heads are compact, crisp and tender, and entirely free from that bitter taste peculiar to many sorts. Several of our market gardeners who tried it the past two seasons are much pleased with its many fine qualities. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.



NEW WHITE PASSION LETTUCE.

LARGE WHITE PASSION. A very handsome new cabbage lettuce from California, where it is very popular. It forms a very large, hard head, as shown in our illustration, of crisp and delicious flavor, and is slow in running to seed. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

GOLDEN HEART. This new foreign lettuce produces large, firm and solid heads, averaging from fifteen to twenty inches in diameter. Very tender, crisp and brittle. It does not wilt under severe heat, and remains in excellent condition for weeks without running to seed. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

DEACON. A fine new variety (originated near Rochester, N. Y.), with round compact heads, four to five inches in diameter; leaves very thick, dark green, tender and of unusual fine quality; very distinct and valuable. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

Philadelphia Early Prize Head, or Brown Cabbage. This is an excellent family lettuce; it forms a mammoth head, and remains tender and crisp throughout the season. It is prompt to head and slow to run to seed; very hardy, and of superb flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

NEW PERPETUAL, or IMPROVED SIMPSON. This variety is entirely distinct, not heading as some do, but forming huge, compact bushes. The leaf is a yellowish-green and very tender. For private use it is especially adapted, as only one sowing is necessary for the whole season. It remains up to the time of seeding of just the same quality for eating as at any time before. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

JOHNSON'S STANDWELL. This new lettuce will, as its name implies, stand a long time before running to seed. The heads are very large, firm and solid, yet extremely tender and delicious in flavor. The heart and leaves are of a buttery yellow-green. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.40.

TOMHANNOCK. A splendid new cutting lettuce of fine quality, which it retains for an unusual length of time during growth, the leaves grow upright, the edges of the leaves growing outward and are handsomely wrinkled. The inside leaves are of a very pale green, almost white, and remarkably crisp and tender. It grows quickly and is slow to run to seed. For family use it is unequalled. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

Green-Fringed, or California Curled. A beautiful ornamental variety, with white inner leaves, the outer leaves fringed and cut, and of a delicate shade of green; very tender and of rare quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.40.

SALAMANDER. An excellent summer variety, withstanding drought and heat to a remarkable extent; forms good-sized, compact heads; light green outside, and white within; fine for market. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

IMPROVED YELLOW-SEEDED BUTTER. This valuable sort is without doubt one of the best for late spring or summer planting, producing fine large heads, very crisp and tender. It is of quicker growth and will stand the hot summer sun better than the Salamander. A decided improvement on that usually sold. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Silver Ball. A handsome new Italian variety, head of a silvery white color, very solid and firm, and of exquisite flavor. A splendid variety for spring and summer use. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Sugar Loaf. A new summer lettuce of fine quality, grows to a good size, and of a pleasing green color. Pkt., 5c.; oz., 20c.; lb., \$2.00.

Black-Seeded Simpson. A new variety of the Curled Simpson, growing to double the size, excellent quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

AMERICAN VARIETIES MIXED. Fifteen kinds mixed, in one packet. Early, medium and late sorts, giving lettuce for table during entire season. Pkt., 15c.; oz., 25c.

Giant Mexican Cos. A new variety from Mexico, where it is eaten as a fruit; growing to enormous size. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Paris White Cos. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

MARTYNIA.

Martynia Proboscidea. For pickling. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

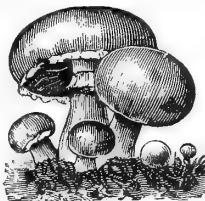
MUSTARD.

One ounce will sow about seventy-five feet of drill.

White London. Best for salads. Oz., 5c.; lb., 50c.

Black, or Brown. More pungent than the white; for culinary use. Oz., 5c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Chinese (New). Very large leaves and succulent stems. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



MUSHROOM SPAWN.

Mushrooms are much more easily cultivated than is generally supposed. They can be successfully grown in a cellar or shed, or in beds in open air, prepared in the same manner as hot-beds. Full directions for culture are furnished with each order for spawn.

English Spawn. In pound bricks, by mail, post-paid, each, 35c.; by express, per dozen bricks, \$1.75.

French Spawn. In 2-lb. boxes, by express, \$1.00.

NASTURTIUM.—Indian Cress.

One ounce will sow about twenty feet of drill.

Tall Yellow. The best for pickling or salads. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Dwarf Mixed. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

For ornamental varieties, see Flower Seeds.

BEST THEY EVER GREW.

A. BURNS, St. Mary's, Canada, writes: "The seeds you sent me last spring did splendidly. The peppers were the finest, there were nothing in this country to equal them. I had a pumpkin to measure six feet six inches around and weigh 110 lbs. Your melons were the best grown in Ontario."

JAS. T. NAYLOR, Elkton, Va., writes: "Your seeds were the best I ever planted. The melons were the finest I ever grew. Cabbage and lettuce cannot be equalled."

Johnson & Stokes

SUPERIOR MELON SEEDS

We grow our Melon Seed almost exclusively in Southern New Jersey, a locality famous for producing the finest melons in the world. We are to-day the largest growers of melon seeds in the United States, our annual productions amounting to many tons. During past years we have annually supplied them, not only in the United States, but to customers in nearly every country in Europe, South America, Mexico and West Indies. We also supply, every season, over our counter, hundreds of New Jersey truck gardeners with our superior strains. We attribute the popularity of our melons, as well as of other seeds, to our careful personal selection of the very finest specimens for our seed stocks, thus improving and breeding up our stocks to the highest state of perfection.

MELON, MUSK—Cantaloupe.

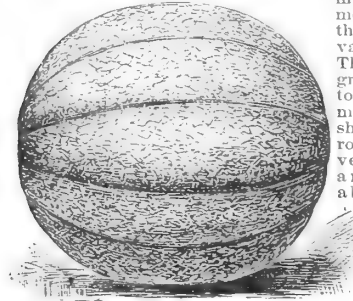
One ounce will plant about seventy hills; three pounds will plant one acre.

PERSIAN MONARCH. A magnificent new variety from Persia, the home of the Muskmelon. See Novelties, page 7. Pkt., 25c.; 3 pkts., 50c.; 6 pkts., \$1.00.

GIANT OF COLORADO. A new mammoth variety, growing as large as a watermelon, and of delicious quality. See Novelties, page 14. Pkt., 25c.; 3 pkts., 50c.; 7 pkts., \$1.00.

NEW OSAGE MUSKMELON. A splendid shipping variety from the West. See Novelties, page 15. Pkt., 10c.; oz., 60c.; $\frac{1}{4}$ lb., \$1.75.

GOLDEN GEM (Netted Gem, or Golden Jenny). This valuable new cantaloupe, first introduced by us, is admitted by prominent



GOLDEN GEM MELON.

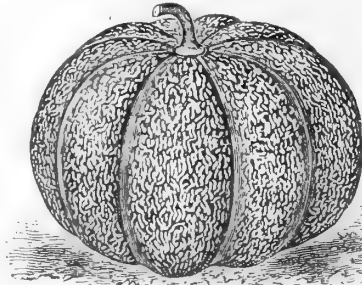
melon growers to be the very best early variety now grown. The illustration, engraved from a photograph of one of the melons, shows their shape, which is nearly round. They grow very uniform in shape and size, weighing about two pounds each, skin green and thickly netted. They are very thick meated, flesh of a light-green color, the inside surface, when cut open, being of a beautiful golden color. In quality and flavor they are superior, being uniformly rich, sugary and luscious. They are extra early in ripening, the vines keeping green longer and producing better than any variety we have ever known. They sell in markets, where known, right alongside of other good varieties, at double price. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.; 5 lbs. and over, by express, 75c. per lb.

EXTRA EARLY PRIZE JENNY LIND. A carefully selected and improved strain of the well-known Jenny Lind, prized for its great earliness and rapidity with which it sells in market. It is very popular in New Jersey, and already largely grown for New York and Philadelphia markets. Very thickly netted, small size, round and of excellent flavor and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, by express, 60c. per lb.



ACME, OR BALTIMORE CANTALOUPE.

ACME, OR BALTIMORE. This melon is the most popular of all in Baltimore markets, and throughout Maryland, where it is known as Baltimore Citron. It is also becoming prominent in Philadelphia and New York markets as Acme Cantaloupe, and in its season is now much sought after by the best hotels and restaurants, owing to its handsome appearance and excellent quality. It is quite early, very large and showy, pointed at the ends, strongly netted, thick, rich green flesh. It is unquestionably the best and most profitable variety for shipping to distant markets. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, by freight or express, 60c. per lb.



NEW EARLY HACKENSACK MUSKMELON.

NEW EARLY HACKENSACK

This valuable new variety is ready for market fully ten days ahead of the well-known Hackensack, its progenitor, which it much resembles in shape and quality. The melons are of good size, weighing from five to ten pounds each. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Surprise. A good bearer, of excellent flavor and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

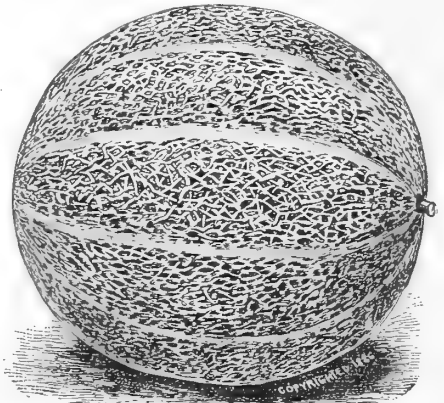
Improved Orange Christiana. Very early, orange flesh, good quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Prolific Netted Nutmeg. A favorite and profitable early market variety; medium size, deeply netted, nearly round, flesh thick, sweet and of delicious flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CHICAGO MARKET. A superior market variety, developed by Mr. A. Colvin, a well-known Chicago gardener. Quite early, large and uniform in size, deep green flesh of excellent quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

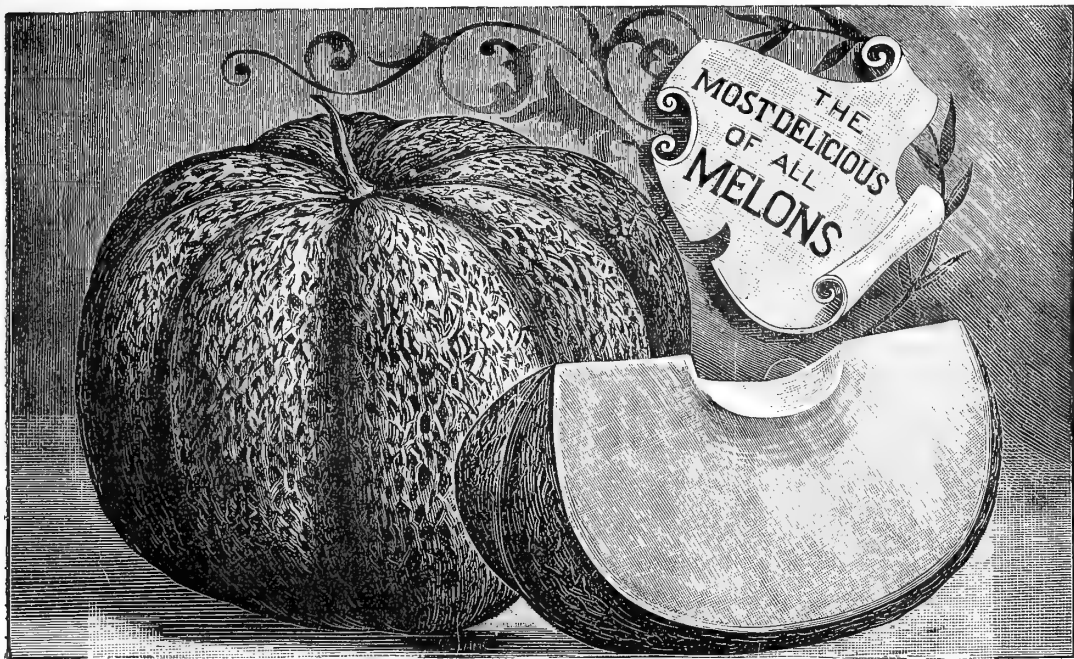
Bird Cantaloupe. This new muskmelon is a cross of the Montreal and Bay View, and surpasses both these well-known varieties in size. The flesh is thick, of light green color and of fine quality; quite early and a splendid keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

NETTED PINEAPPLE. A splendid market variety, of good shape, medium size, flesh green and thick, firm, juicy and sweet; very early and popular in our markets. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.; 5 lbs. and over, by express, 50c. per lb.



NEW CHAMPION MARKET MUSKMELON.

CHAMPION MARKET, or STARN'S FAVORITE. This new muskmelon is quite distinct from all other varieties. As shown in the illustration, the melons are almost a perfect globe in shape and densely netted. They are very uniform in size, averaging about six pounds each. The flesh is thick, light green in color, and of rich, sweet flavor. Six melons of Champion Market will fill a market basket. The vines are very vigorous, remarkably healthy, and very productive. The melons mature early and all ripen up finely. It is an excellent shipper, and a most popular variety for market. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.



THE PRINCESS MUSKMELON.

We feel justly proud of being the first seedsmen to offer to the public a new variety of such *extraordinary value* as *The Princess Melon*. Too much cannot be said in its praise, and we hope to persuade every customer who grows a melon to plant the Princess this season. It is quite distinct from all other varieties, and possesses so many strong points of superiority that it must speedily become the most popular variety for family and market purposes. The Princess is a chance seedling, discovered some years since by one of our customers, a large melon grower near Boston, who claims to have sold them as high as \$2.50 each to fancy restaurants in Boston, owing to their extremely *handsome appearance, wonderful weight and thick flesh* when opened. Our engraving, made from nature, shows their shape, which is nearly round, with heavily-netted dark-green skin; the flesh is of a rich salmon color, thicker than in any other melon, and in flavor is *sweet and luscious beyond description*. They ripen early and grow to good size, frequently weighing eight to ten pounds each. The vines grow vigorously and are very productive. We have counted eight perfect melons on a single vine. Gardeners have heretofore used every effort to procure seed, paying very high retail prices for melons in order to do so. We are glad to state, however, that our crop of seed of this grand melon was so good the past season that we can now offer it at a moderate price, within the reach of all. Pkt., 15c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

IN 1887-1888 OVER ONE THOUSAND MARKET GARDENERS PRONOUNCED THE PRINCESS TO BE THE FINEST AND SWEETEST OF ALL MELONS. Read below a few reports from those received.

JNO. S. BRESSLER, Halifax, Pa., writes: "The Princess Melon cannot be overpraised, they are sweet, delicious, and a most salable melon. They come up fully to representation."

A. J. JONES, Newport News, Va., Oct. 12th, writes: "The Princess Melon is all that you represent. They were claimed to be the finest brought to this market. Many purchased to obtain the seed. All other seeds were fine."

JAS. W. BOUK, Greenwood, Neb., writes: "I took first premium at the Nebraska State Fair on the Princess Melon. They were pronounced by all who tested them to be by far the most delicious melon they ever tasted."

JAS. O. WALTERS, Academy, Ohio, writes: "Your Princess Muskmelon surpassed in all respects any ever raised. The Christmas Water Melon is also a beauty."

J. S. VAN CORTLANDT, Croton Land, N. Y., writes: "The Princess is the most delicious melon I have ever eaten. The Honey Sweet Corn the best and sweetest. In fact, all your seeds gave perfect results."

GEO. T. WILLIAMSON, South Branch, W. Va., writes: "The Princess and Baltimore Melons were very fine in quality, good bearers, grew to good size and ripened well. The Princess was the finest I ever tasted, and was so thought by all who eat them."

M. W. CANNON, New Bern, N. C., writes: "The Princess and Golden Gem Muskmelon are decidedly the best I have ever grown."

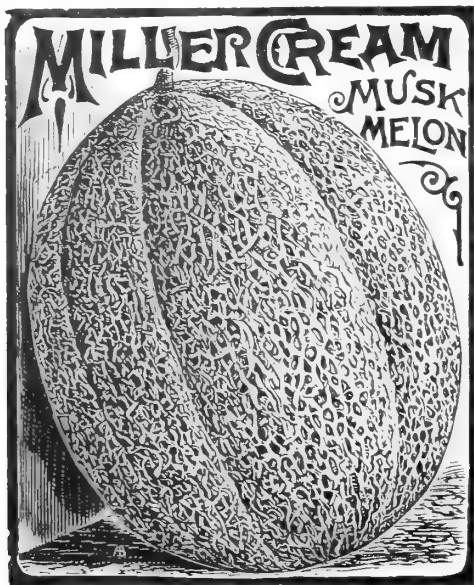
C. S. COOPER, Schraalenburg, N. J., writes: "The Princess Melon is excellent in flavor, being richer and more sugary than any other."



EMERALD GEM MUSKMELON.

EMERALD GEM. This most excellent new muskmelon originated in Michigan. It is of superior flavor and quality; the skin is an emerald green color and quite smooth; they ripen early and produce well, being about the size of our *Golden Gem*; the flesh is light red or salmon, very thick, juicy and crystalline, and luscious in flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

PERFECTION. A new variety originated in Chenango County, N. Y. It is highly spoken of by all who have grown it. Large size, strongly netted, shape round, with rich, salmon-colored flesh of fine flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.



MILLER CREAM NUTMEG MELON. This splendid melon was thoroughly tested the past season by many of our market gardeners and melon growers, and is pronounced by all as one of the very best, after the *Princess*. The flesh is of a rich salmon color, very thick, sweet and melting in quality. The rind is very thin, slightly sutured and finely netted. They average about the size of the Golden Gem, but of handsomer shape and appearance, and what few have been marketed, sold readily from 25c. to 40c. each. Vines grow strong and are very productive, covering the ground with fruit. They retain their bright, fresh appearance, and remain solid several days after being pulled. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

MONTREAL GREEN NUTMEG. This variety is largely grown by market gardeners in the neighborhood of Quebec and Montreal, Canada, from whence it takes its name. The fruit is nearly round, slightly flattened at the ends, with a densely netted green skin. They grow to a very large, uniform size, averaging from fifteen to twenty pounds in weight, though we have frequently had them in our patches to weigh thirty pounds and over. The flesh is remarkably thick, and of splendid flavor, superior to any other large sort. Owing to its large and handsome appearance, it sells rapidly in market at very high prices. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, by express, 60c. per lb.

Hackensack, or Turk's Cap. A variety of the *Green Citron*; deeply netted, very large and productive, of excellent flavor; profitable and fine for market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, by express, 60c. per lb.

Casaba. Of extraordinary size and delicious flavor; usual weight from twelve to fifteen pounds; late, oval and netted. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

BANANA CANTALOUPE. This variety originated with one of our best growers in South Jersey, and is pronounced by many the most profitable variety they have ever grown. They are eagerly sought after in Philadelphia, New York and Boston markets, owing to their great oddity of shape, appearance and rich flavor, selling at very high prices where known. They grow from two to two and a-quarter feet long, and are very productive, with deep salmon-colored flesh, of good quality; by many preferred to any other variety, and a great curiosity. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Bay View. An early, vigorous growing and productive variety; large size, weighing twelve to fifteen pounds, and delicious flavor; desirable for market gardeners. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Japan Coral-Fleshed. A new variety, of round shape and densely netted, flesh thick, coral color; of excellent quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

White Japan. Early, of medium size, round, skin and flesh creamy white, orange centre, and of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

CHOICE IMPORTED MUSKMELONS.

During our business travels in Europe, we have always taken a great interest in inspecting foreign melons during growth and testing their table qualities. The following varieties we have selected as the best out of some fifty tested on our trial grounds at home. They are all hardy and of fine flavor, quite equalling any of our best American varieties.

NEW PERSIAN MONARCH. See Novelties, page 7.



DE PASSY CANTALOUPE.

NEW FRENCH MUSKMELON.—De PASSY. We have selected this variety from France as one of the best of all French varieties we have tested. They are of an unusually handsome appearance, with creamy white thin skin, weighing from twelve to fifteen pounds each. The flesh is of a deep orange color, and of delicious quality. If you want something really fine and odd, include a packet of Cantaloupe De Passy in your order. Pkt., 15c.; 2 pkts., 25c.; 5 pkts., 50c.

Algiers Cantaloupe. A leading French variety; skin of a very light green, with dark green warts; flesh rich scarlet and very thick; delicious flavor. Pkt., 10c.; 3 pkts., 25c.

Neapolitan Winter. A popular Italian variety, weighing eight to ten pounds, flesh green and of fine flavor. They are considered valuable on account of their wonderful keeping qualities. The Italians pick them before quite ripe, then put a sort of net-work of rush grass around them, and if hung up in a dry place they will keep well the entire year. Pkt., 10c.; 3 pkts., 25c.

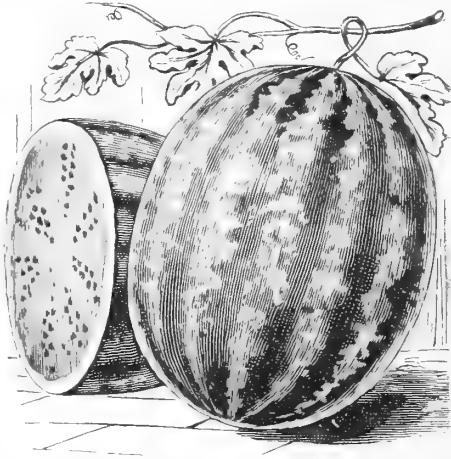
Hardy Ridge, or Prescott. A French variety, very popular among Paris market gardeners. Large size, with flesh of rich orange color; wonderfully thick, four to five inches through; very juicy and sugary; remarkably solid, with few seeds. Pkt., 10c.; 3 pkts., 25c.

Italian and French varieties mixed. Pkt., 10c.

MELON, WATER.

One ounce will plant about fifty hills, and four pounds will plant one acre.

NEW LIBERIAN. A variety from Africa. The best foreign watermelon we have ever propagated. See Novelties, page 9. Pkt., 15c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



STOKES' EXTRA EARLY MELON.—EARLIEST OF ALL.

STOKES' EXTRA EARLY. This new melon, introduced by us, is, without doubt, the earliest of all. Our illustration, made from a photograph, shows their shape, which is nearly round, dark green skin, slightly mottled with white. The flesh is deep scarlet, remarkably solid, and in delicious, sugary flavor is unsurpassed by any other melon. Their average weight is about fifteen pounds. The seed is very small, being only about half the size of other melon seeds. They are also much more productive than the larger sorts, and for family use are quite unequalled. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.



JOHNSON'S CHRISTMAS WATERMELON

This most valuable, new and distinct watermelon, named and introduced by us three years since, stands *unequalled and alone*, its keeping and shipping qualities being unapproached by any other variety. Our extensive experience in the growth of all varieties of watermelons for seed in past years, together with the assurance of hundreds of melon growers who have tested it, enables us to assert that *Johnson's Christmas Melon* will, when fully introduced, supersede all other known melons for shipping and keeping purposes. Since the original melon was discovered in 1883, we have each year enjoyed one of these melons for both a Christmas and New Year's dinner, when, after being kept in our cellar for a period of three months, they cut open as fresh and delicious as the day they were picked. Their valuable keeping and shipping qualities are due to a peculiar, hard, tenacious coating or outside enamelling of the skin, which also gives them an exceedingly handsome and fresh appearance, even after being kept or allowed to remain on the vines for months after ripening. Notwithstanding the rind is quite thin, we have dropped them from a height of four feet without breaking or bruising. The flesh is of a beautiful rich scarlet, *very solid and of delicious, sugary flavor*. Its uniform size and handsome, fresh appearance at all times, will make it the *most salable of any known variety*. Seeds are few, small, and drab-white color.

PRICES FOR 1889: Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

THE VERDICT FROM ALL OVER THE UNION. A few endorsements from hundreds received—all we have room to publish on this page.



M. E. POTTS, Glasco, Kan., Feb. 2, 1888, writes: "I had a delicious Christmas Melon Jan. 20th, and have a dozen in the cellar at the time I write. I have raised them for two years, and pronounce them truly a wonder."

C. WEAVER, Rendville, Ohio, writes: "Your Christmas Melon is the finest producing melon I ever grew. I had twenty-two large melons from four vines, and had them after Christmas."

R. B. MARTIN, Woodbury, Conn., writes: "The Johnson's Christmas Water Melon proved to be very fine and solid and an excellent keeper. We had eleven for our Thanksgiving, Christmas and New Year dinners."

PETER WOLL, Summit Station, Pa.: "I have raised a great many watermelons, but never any to give such satisfaction as Johnson's Christmas. Its keeping qualities are excellent. The last of a number that I had stored away was eaten on the 15th of January and was most delicious."

J. F. GETTIG, Hastings, Kan., writes: "There is no melon grown that will keep equal to Johnson's Christmas. Have had them all winter and still have more."

AARON PAUL, Wenonah, N. J., writes: "My opinion of your Christmas Watermelon is, that it will prove the best shipper in the world. I have grown nearly all varieties of melons, and have never seen its equal. They could be barrelled up and shipped to Europe with perfect safety. I kept some in perfect condition till New Years. They are the most hardy and productive variety I have ever seen."

F. I. HULETT, Wales, Mass., writes: "The Johnson's Christmas Melon are the finest on sale in this town."

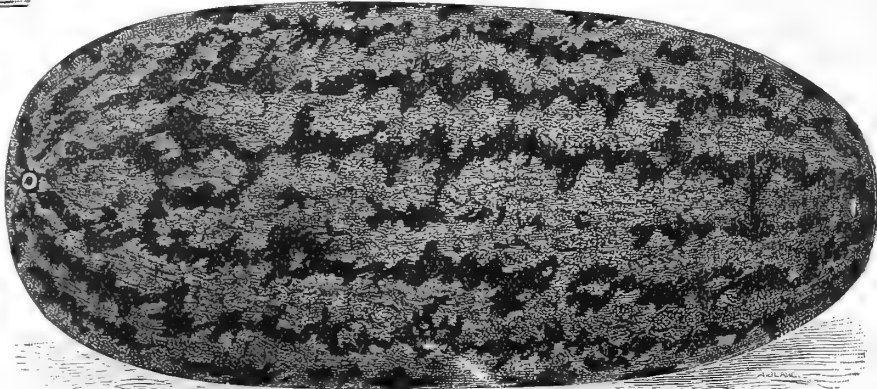
D. H. HARMAN, Perryville, McDowell Co., W. Va., writes: "The Johnson's Christmas Melon is the finest, largest and most delicious melon I have ever seen."

SPECIALTIES IN MELONS.

Girardeau's Florida Favorite Watermelon.

This new variety originated with William Girardeau, one of the most extensive melon growers of Florida, and is a hybrid of the Rattlesnake and Pierson, the latter being a celebrated home variety in Florida. It is pronounced by all who have grown it, the finest table melon extant; oblong in shape, as shown in the illustration; growing to very large size; rind dark with light-green stripes; flesh light crimson, very crisp and deliciously sweet; seed rather small and of a light creamy-white color.

It ripened the past season ten days earlier than the Kolb Gem, Iron-Clad or Rattlesnake, all planted at the same time. We offer seed grown by the originator. Pkt 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.



PRICE'S PURE KOLB GEM WATERMELON SEED. Grown from the originator's stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, 60c. per lb.

JERSEY BLUE WATERMELON.

This variety has been grown with great profit by a few truckers in Northern New Jersey, where it originated a few years since. They grow to very large size, rather oval in shape, skin of deep blue color, slightly ribbed, with tough rind. Flesh, deep scarlet and of fine quality. We recommend them highly as a shipping melon. They sell readily at high prices. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 75c.

KOLB GEM WATERMELON.

This variety, although quite new, is more largely grown by Southern shippers than any other. It originated with R. F. Kolb, one of the largest melon growers of Alabama, and is a Hybrid of Scaly Bark and Rattlesnake. The rind, though quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is bright red and of excellent flavor. All who have grown it agree in pronouncing it one of the *largest, most productive, best keeping and shipping melons* ever introduced. Many of our customers assert that they obtain from twenty-five to forty per cent. more in price for Kolb Gems than for any other variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 5 lbs. and over, 60c. per lb.

GREEN AND GOLD WATERMELON.

This is a fine, new, large melon, with flesh of beautiful orange color, of delicious quality. We tested this variety on our trial grounds the past season, and can recommend it as a fine, family melon, as well as a curiosity. Of course, the color is against it as a market variety. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.

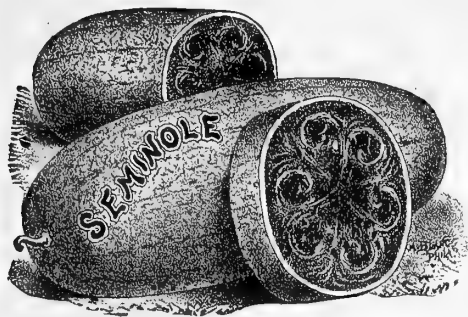
MAMMOTH GRAY MONARCH.

This new and distinct melon is, without doubt, the *largest of all*, frequently attaining a weight of ninety pounds and over. The skin is a mottled gray color, shape long, flesh bright crimson and of sweet, delicious flavor. It is also a fine shipper, carrying well long distances. What few were marketed the last two seasons brought very high prices. Try it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

TWO NEW RUSSIAN WATERMELONS.

THE VOLGA. Cultivated on the lower Volga, near the Caspian Sea, for shipment in barrels to St. Petersburg and Moscow. In solidity and hardness it is remarkable, and therefore carries well. In productiveness it surpasses most sorts, two melons being sometimes borne at adjacent joints of the same vine. In form it is nearly perfectly globular. In color it is so pale green as to be nearly white, with nearly imperceptible stripes. The flesh is remarkably crisp, and when fully ripe, very sweet, luscious and red in color. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.

OEMLER'S TRIUMPH. Originated on the borders of the Black Sea. The seeds are so small they can be swallowed without inconvenience. It is very early and productive. The color is a dark mottled green, and that of the flesh a dark red with an edging of orange yellow. Very sweet and delicious. Pkt. 10c.; oz., 30c.; $\frac{1}{4}$ lb., 75c.



NEW SEMINOLE WATERMELON. This variety, now offered for the first time, comes from Florida. In our tests this season, we found it one of the best of melons in quality, growing to an extra large size; extra early and very productive. All lovers of fine melons should give the New Seminole a trial. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

EARLY CALIFORNIA, or IMPROVED ODELLA. This is the most popular market variety grown in New Jersey, two weeks earlier than the Old Mountain Sweet, round to oval in shape, color light green, good quality and an excellent shipper; rind very tough, and grows to large size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs. and over, by express, 45c. per lb.

IMPROVED MOUNTAIN SPROUT. A large, long variety; dark green skin, good quality; a good market variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs., \$2.25.

IMPROVED MOUNTAIN SWEET. A general favorite for market; early, large, flesh red, solid, rich and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 5 lbs., 50c. per lb.

Mountain Sweet. An old standard variety, large size, good flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

Phinney's Early. Very thin rind; flesh scarlet, sweet, luscious. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

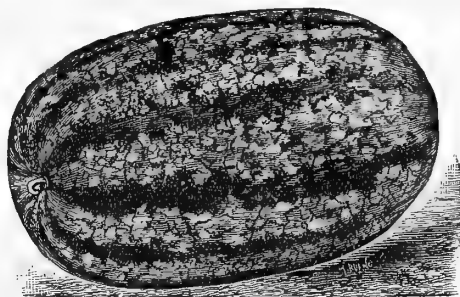
ICE CREAM, or PEERLESS. True, white seed, of medium size, early, green skin, very thin rind, flesh solid, scarlet, crisp and of a delicious flavor; an excellent variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.



PRIDE OF GEORGIA. This new melon originated in Monroe County, Georgia. The rind is dark green, shape nearly oval, and ridged like an orange; grows partly on one end; flesh rich scarlet, very sweet and crisp; attains a large size, and a good shipper. Pkt., 5c; oz., 10c, $\frac{1}{4}$ lb., 30c; lb., 80c.

BLACK SPANISH. Large, round, very dark green skin; flesh red, sweet and delicious; an excellent market variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

GEORGIA GYPSY, or RATTLESNAKE. A superior, early market variety; large, oblong; skin green mottled, and striped. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



MAMMOTH IRON-CLAD WATERMELON.

MAMMOTH IRON-CLAD. This melon grows to a very large uniform size, frequently weighing eighty pounds and over, and resembles in its markings the popular Cuban Queen. In shape and seed, however, it is quite distinct, being deeper and fuller at both ends, with seeds of drab-white color. They are enormous yielders, flesh very red, solid, and of excellent flavor. The rind is extremely tough and hard—hence their name, **Iron-Clad**—rendering them valuable for shipping. Our supply is grown from the originator's seed and warranted genuine. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

SCALY BARK. This variety originated in Georgia. The skin is dark green, quite smooth and has a peculiar scaly appearance. It is an unusually productive sort, the average weight of the melons being forty to fifty pounds, although it is not unusual for specimens to reach seventy pounds. The flesh is light crimson, solid, tender and of exquisite flavor; remains in choice eating condition long after being pulled. The rind, though quite thin, is remarkably tough. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

CUBAN QUEEN. A variety of recent introduction; skin is beautifully striped, dark and light green. Their flesh is bright red, remarkably solid, luscious, crisp and sugary; very solid and the best of keepers; excellent to ship to distant markets. They have been grown to weigh over one hundred pounds, and are enormously productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

EXCELSIOR. Very large, skin striped; flesh sweet and solid. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

THE BOSS WATERMELON. A distinct variety introduced a few years since. Skin is black green in color. Flesh deep scarlet, unusually sugary, crystalline and melting. The rind is very thin and tough, ripens early, and is enormously productive. This is considered by many the very best table melon for family use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Light Icing, or Ice Rind. Of round form, skin light color, thin rind and good quality though not equal to the dark-skinned Sweet Icing, which it resembles in shape. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

DARK ICING. This variety, one of the best of all melons, though not new to our New Jersey growers, who have raised it extensively for past years, will, no doubt, prove a new thing to many in other sections. It combines all the good qualities essential to perfection. They grow to medium size, averaging in weight from twenty-five to thirty pounds, although we have known them to reach fifty pounds. The skin is dark green and firm. The flesh is a deep, rich scarlet, of delicious flavor; it is one of the best shipping and carrying melons grown. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; 5 lbs. and over, by express or freight, 60c. per lb.

COLORADO PRESERVING. An improvement on the green preserving melon; enormously productive, and of better quality; the flesh being very solid and making very clear, transparent preserves of fine flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Apple-Pie. When stewed and made into pies is an excellent substitute for apples. Pkt., 5c; oz., 20c.

Green Citron. For preserving; small, round; flesh white and solid. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

BURTON RICE, Atkinson, Neb., writes: "Your Stokes' Extra Early Watermelon is a first-class variety in every respect. It is the earliest of all, of fine flavor and an excellent keeper."

W. J. GRAYSON, Salters Depot, S. C., writes: "Your Kolb Gem Water Melon is far ahead of any other variety, both in productiveness, excellence and shipping qualities."

SPECIALTIES IN ONIONS

OUR PEDIGREE SEED.



No one can appreciate the value of reliable seeds better than those who have been once disappointed, and too much care cannot be exercised in selecting your supply. There is no vegetable where the quality of the seed exerts a greater influence upon the crop than in onions. Our stock is all grown from choice bulbs, selected carefully by hand, and is unsurpassed in this country. During our whole business career as seedsmen, it has always been our aim to make quality a first consideration, price afterwards, and in no one crop have we met with greater reward for our efforts than in onions, the demand for our seed having increased so rapidly that we have been obliged to double our facilities for growing every year for several years past.

CULTURE.—There is no crop, perhaps, more sure than that of onions. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Five hundred bushels per acre is a medium crop, while from eight to two hundred bushels are not unusual, under the best cultivation. There are three varieties of onions commonly raised, namely, red, white and yellow. The yellow ones take the lead, as they are more hardy, grow larger, and bear handling better than either of the other sorts. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time without any deterioration in quality or quantity.

PHILADELPHIA-GROWN SEED, or such raised in that portion of Pennsylvania, is unquestionably earlier than New England seed, and still more so as compared with Western seed. This is an important feature, as the early marketed onions always bring the highest prices. The growth conclusively proves the assertion, Philadelphia seed making bulbs of better quality for keeping or immediate use, either as sets or full-sized onions, long before seed from any other locality. Large, full-sized onions can be grown from our seed the first season in any section of the United States, both North and South, at no greater cost than carrots, parsnips, beets, rutabagas, or the onion sets themselves, while the net return per acre will be from two to five times as great. Five pounds of seed will sow an acre for this purpose. To grow small sets, fifty pounds to the acre is required. Please read "What Onion Growers Say," on other pages.

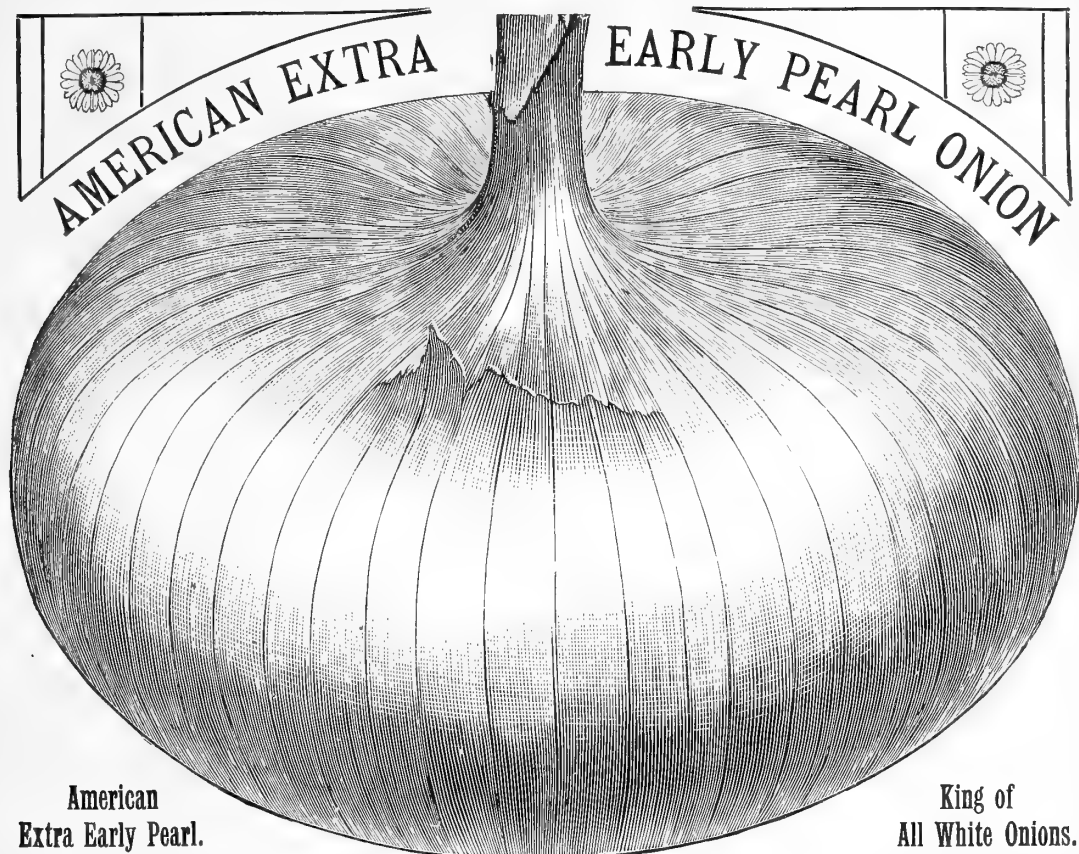
CROP OF OUR PEDIGREE PHILADELPHIA YELLOW GLOBE DANVERS ONION

PHILADELPHIA YELLOW GLOBE DANVERS

FROM A PHOTOGRAPH TAKEN ON OUR PENNSYLVANIA FARM AT SEEDING TIME

Philadelphia Yellow Globe Danvers Onion. PEDIGREE SEED.

This improved variety is pronounced by all market gardeners and onion growers everywhere who have tried it, the very best strain of Yellow Danvers in cultivation. We have hundreds of such testimonials on file in our office, and regret we have not room on succeeding pages to publish more of them. It is the earliest yellow variety, largest in size, most perfect in shape, the largest cropper and the best keeper of all American onions. In fact, it is everything that could be desired as a market or table onion. Prices of seed grown from selected, hand-picked bulbs: Pkt., 10c.; oz., 20c.; ¼ lb., 50c.; 1b., \$1.75.

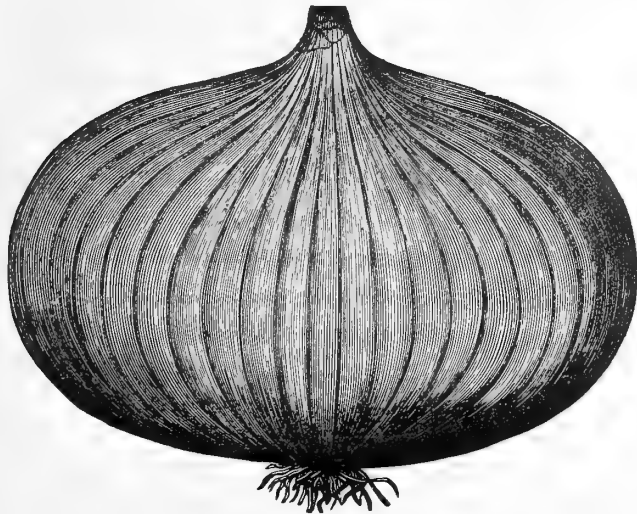


**American
Extra Early Pearl.**

**King of
All White Onions.**

This remarkable new onion is the **earliest** and best of all the white varieties, far surpassing **Silver King, White Tripoli** and other sorts in great size, thickness, rapid growth, bottoming and keeping qualities. It grows to **enormous** size and shape, as shown in our illustration above; of **pearly white** color, the outer skin having a most showy, waxy appearance, flesh of a **pure snow white**, and flavor so mild that it can be eaten like an apple. It grows with **wonderful** rapidity, reaching the first season, from seed, the enormous size of six to seven inches diameter, frequently weighing three to four pounds each. A **splendid keeper**, succeeding everywhere, and requiring only thin soil. Our seed of this wonderful variety is **Philadelphia** grown and should not be confounded with a cheap, imported variety offered by some dealers as **Silver White Etna**, or **Early Pearl**, which is an entirely different onion, although somewhat resembling the **American Extra Early Pearl** in shape, being flatter, not as thick through, and it is **vastly inferior in size and keeping qualities** to the **Genuine American Extra Early Pearl** as grown and sold by us. Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

EXTRA LARGE RED WETHERSFIELD ONION.



EXTRA LARGE RED WETHERSFIELD ONION.

Onion growers who prefer the red varieties will find this a magnificent strain, far surpassing the ordinary Red Wethersfield in **size, productiveness and keeping qualities**. It is of the finest form, skin deep purplish red, flesh purplish white, much finer grained than many of the red sorts. Immense crops of this onion are grown each season, from our seed, by some of the largest growers in the United States, who realize the very highest prices for their crops. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75; 5 lbs. and over, by express or freight, \$1.60 per lb.

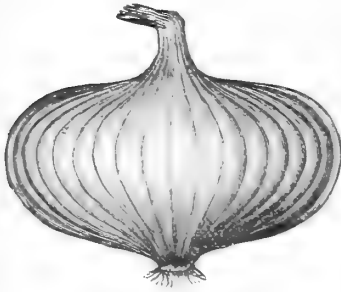
AMERICAN EXTRA EARLY PEARL.

S. T. JONES, Cleveland, O., writes: "Your American Extra Early Pearl Onion is a wonder; I have several specimens over four pounds in weight, measuring fifteen to twenty inches around. They are much earlier and surpass both Silver King and Pompeii in size and beauty; don't think their equal can be found."

EXTRA LARGE WETHERSFIELD.

G. W. DOANE, Fall City, Wis., writes: "I was highly pleased with all the seeds purchased of you, but the Large Red Wethersfield Onions have no equal. They grow the largest I ever saw, and, without doubt, the best flavor."

ONION. American Varieties—Continued.



EXTRA EARLY RED.

EXTRA EARLY RED. Ten days to two weeks earlier than the Large Red Wethersfield, of medium size and deep red color, an abundant producer, and of good form and flavor, keeping well. It is well adapted to the cold, mucky soils of the North and Northwest, where other varieties fail to produce full-sized onions. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

EXTRA EARLY RED GLOBE. A new variety, maturing as early as the Extra Early Flat Red, but of a beautiful globe shape, skin deep red, flesh mild and tender, an excellent keeper and very desirable for early market use. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

ROUND YELLOW DANVERS. Our superior stock of this celebrated variety is of fine shape; grows to good size, with thin yellow skin, white flesh, fine grained, mild flavor and excellent quality. It ripens early, frequently producing from six hundred to eight hundred bushels to the acre; keeps well and is considered a splendid sort. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.



PHILADELPHIA YELLOW DUTCH, or STRASBURG. An excellent variety, bulbs quite flat, of good size, skin yellow, flesh white, of mild flavor, an excellent keeper. The most popular variety for sets. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50;

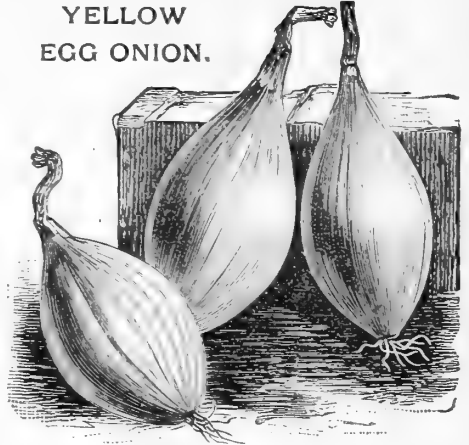
SOUTHPORT LARGE YELLOW GLOBE. This new American variety is entirely distinct from the Danvers. It is a very handsome, round or globe-shaped variety, of large size, with thin yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early and sells readily at the highest prices in our markets. It is a most reliable variety for bottoming, and entirely free from scullions. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.15;

SOUTHPORT LARGE RED GLOBE. This variety is very similar to the Southport Yellow Globe in shape and size, but ripens somewhat later, maturing a few days later than the red Wethersfield. It is a splendid keeper, and in quality is superior to most other red varieties. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

WHITE PORTUGAL, or SILVER SKIN. A good variety for family use; skin and flesh pure white, mild flavor and flat shape. The best white onion to grow largely for sets. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.65; 5 lbs. and over, by express, \$2.50 per lb.

WHITE GLOBE. A large, firm, globe-shaped variety, with white skin, fine flesh; handsome in shape and a good keeper. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

HARD ROUND SILVER SKIN FOR PICKLING. This is the best onion for pickling, producing uniform small round handsome onions, with pure white skin, never turning green from exposure. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.40.

YELLOW
EGG ONION.

NEW YELLOW EGG. A few gardeners, who have grown and controlled this handsome onion for several years past, have made a profitable thing out of it. Its shape is well depicted in our illustration. The flesh is pure white and of very delicate, fine flavor. The outside skin is a deep golden yellow. They are so very handsome and attractive that they sell at sight in market, and where known are preferred over all other varieties. Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.00.



WILL BUY OF NO OTHER HOUSE.

GEO. HUTCHINS, Hutchins, Wis., writes: "I was so pleased with my onion seed last spring, that I will buy of no other house in future. There were no onions in Shawans County to equal mine. The Philadelphia Yellow Globe Danvers beat them all; Large Red Wethersfield are also very fine."

THEY TAKE THE PREMIUM EVERY TIME.

MARTIN YAKLEY, Pittsfield, Ill., writes: "The Yellow Egg Onions you sent me last spring were fine. At the fair they take the premium every time. The Spanish King I have grown to the size of the largest turnips. They capture everything in the shape of large onions. I want several pounds of the same seed."

EARLIEST, LARGEST AND BEST.

M. A. MUNSSELL, Eminence, Mo., writes: "The American Extra Early Pearl is the earliest, largest and best onion I ever raised."

THE ADMIRATION OF ALL.

J. M. BICKET, Traer, Iowa, writes: "The Philadelphia Yellow Globe Danvers are the admiration of all who see them; some weigh over one pound. Myself and neighbors had no luck with seeds until purchasing yours."

FINEST CROPS EVER GROWN.

G. C. ELLIOTT, Newcastle, Wash. Ter., writes: "I experienced great difficulty with onion seed until I commenced purchasing from you, but from your seeds I have raised the finest crops of onions ever grown in these parts. Your Johnson & Stokes' Earliest Cabbage is twenty days ahead."

BEST HE EVER BOUGHT.

L. CARTER, Hammond, Ill., writes: "Your onion seeds were all the best I ever bought since I have been in the business."

HAVE NO EQUAL.

A. W. MUSSELMAN, Auburn, Ind., writes: "The Philadelphia Yellow Globe Danvers and Spanish King Onions have no equal. They grew the largest I ever saw; the best in flavor."

CANNOT BE SURPASSED.

JACOB MARKLEY, Sweet Wine, O., writes: "Your Philadelphia Yellow Globe Danvers Onion cannot be surpassed for productiveness and fine quality."

SUPERIOR TO ANY EVER RAISED.

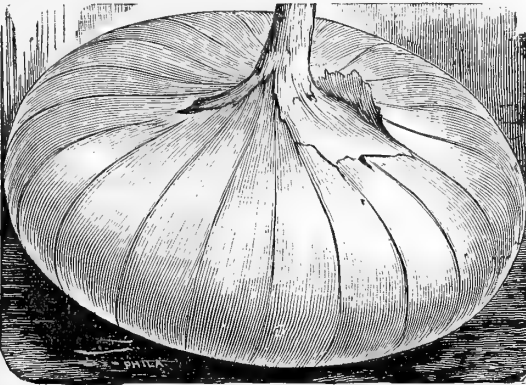
GEO. CONNER, Lehi, Utah, writes: "Your Philadelphia Yellow Globe Danvers Onion is superior to any I ever raised; many weighed over two pounds each and took first premium at our fair. All your seeds are first-class."

NEW FOREIGN ONIONS.

NEW MADRID GIANT. The largest and finest of all foreign varieties. For illustration, description and testimonials, see colored plate and page 16. Pkt., 20c., 3 pkts., 50c.; oz., \$1.00.

SPANISH KING, or PRIZE-TAKER. See Novelties, page 10. Pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

The following varieties we have imported from the most reliable growers of Italy. They have all been tested and have proven a perfect success in every section of this country, and are already largely grown for market, being milder in flavor than American varieties, and well adapted for early market and home garden use. They are of wonderful quick growth, forming fine large onions in an incredibly short time from sowing. They can be set out the second season, and instead of running to seed, as the American varieties do, they continue to grow until they reach a great size, often weighing three to four pounds each.



MAMMOTH SILVER KING ONION.

MAMMOTH SILVER KING. We have imported seed of this truly mammoth variety direct from the originator in Italy. It is of attractive shape, as shown in our illustration, with silvery white skin and flesh, of a most agreeable mild flavor. It matures a little later than our Extra Early Pearl, of flatter shape, reaching a very large size, and frequently measuring twenty inches in circumference, and weighing three to three and a half pounds. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.75.

MAMMOTH POMPEI, or COPPER KING. A variety of recent introduction, growing to an enormous size; skin of a dark red color, flesh white, and of an unusually mild flavor. Fine exhibition and market variety. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

BERMUDA. A large flat onion, skin thin and blood-red color, mild flavor, and of quick growth. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

NEW GIANT RED ROCCA. This magnificent new variety resembles the Popular Brown Rocca in shape and size, except that the skin is of a beautiful bright red, flesh white and mild in flavor, growing to very large size. Our grower in Italy thinks it will become even more popular than the Giant Brown Rocca. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

GIANT ROCCA OF NAPLES. Large, of globular shape, bright brown skin, and delicate flavor, sometimes weighing three to three and a half pounds. A valuable and remarkably handsome variety. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

NEW GOLDEN QUEEN. This new Italian variety is a perfect model, varying from an inch to an inch and a half in diameter, and more symmetrical than the popular White Queen. Skin of a delicate golden straw color. It possesses all the characteristics of rapidity of growth and good keeping properties for which the White Queen is famous. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

WHITE QUEEN. A rapid grower, white skin, of mild flavor, early and remarkable for its keeping qualities. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

GIANT WHITE ITALIAN TRIPOLI (El Paso, or Large Mexican). A large, white, flat onion, of mild flavor and beautiful form; pure white skin. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

ONION SETS.

We grow each season large quantities of white, yellow and red onion sets from our Philadelphia onion seed, which, being earlier, make sets of better quality for keeping or immediate use than that grown in any other section. Philadelphia-grown onion sets are everywhere recognized as the best and are annually supplied to dealers and gardeners in every market of the United States. As the price varies, with the market, we shall be glad to quote prices by the bushel or barrel of three bushels when requested to do so.



YELLOW ONION SETS, per qt., 20c.; qt., post-paid, 30c.

RED ONION SETS, per qt., 20c.; qt., post-paid, 30c.

WHITE ONION SETS, qt., 25c.; qt., post-paid, 35c.

POTATO ONION SETS, qt., 30c.; qt., post-paid, 40c.

We sell cheaper by the peck, bushel or barrel, and will quote special prices on application. We do not grow sets of the foreign onions.

AMERICAN EXTRA EARLY PEARL ONION SETS.

These should be planted in September or October and we are prepared to book orders now for shipment next fall at 40c. per qt., \$2.00 per peck, \$7.00 per bushel.

OKRA.—Gumbo.

One ounce will plant one hundred hills.



NEW WHITE VELVET OKRA.

WHITE VELVET OKRA. This distinct and beautiful new okra was originated in Georgia, and is very highly praised by all Northern gardeners who have tested it. The pods are much larger than those of any other sort, perfectly smooth, never prickly, round, not ridged or square as in other okras. It is by far the most productive in cultivation. (See illustration above.) Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

Dwarf Prolific. Long podded, early and productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

Tall. Grows two feet taller than the dwarf, and later, Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

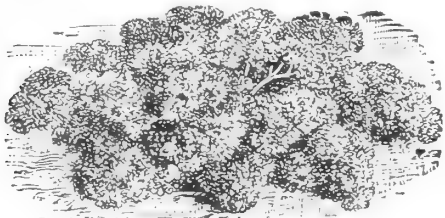
OKRA—Continued.

IMPROVED DWARF. A distinct variety, growing about fourteen inches in height. Grown in competition with the ordinary dwarf, the stalks produced twice the number of pods, which are very smooth and beautiful. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

PARSLEY.

One ounce will sow one hundred and forty feet of drill.

MARKET GARDENERS' BEST. The best for frames or open ground. See Novelties, page 13. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.



DWARF EXTRA CURLED PARSLEY.

DWARF EXTRA CURLED. A new variety from France, where it is the most popular of all. Leaves tender, beautifully crimped and extra curled; handsome bright green color, very ornamental and excellent for garnishing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Double Curled. A curled variety for garnishing and seasoning. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

CHAMPION MOSS CURLED. Leaves crimped and curled like a bed of moss, giving it a most beautiful decorative appearance; very handsome. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

NEW FERN-LEAVED. A new variety, very curly, of fine form and color, used for garnishing as well as for a decorative plant; very ornamental for the flower garden. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Plain or Single. Dark green, with plain leaves; very hardy. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Hamburg, or Turnip-Rooted. A very popular variety in Europe. Fine, fleshy vegetable roots, which are used in soups, etc., giving them a fine delicate flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

PARSNIP.

One ounce will sow about two hundred feet of drill; five pounds will sow one acre.

Please bear in mind that ounces and packets only are sent by mail free of postage. Remit in addition, 8 cents per pound to pay postage, if ordered sent by mail.

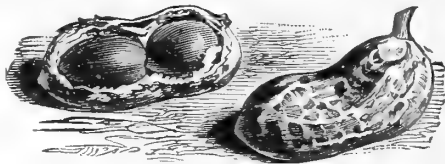
NEW IDEAL HOLLOW CROWN. We offer a greatly improved and wonderfully fine strain of true Hollow Crown Parsnip. The roots do not grow as long as the old hollow crown variety, are of larger diameter and more easily gathered. It is a very heavy cropper. The roots are very smooth, the flesh fine grained and of most excellent quality, the best variety for the market gardener. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Large Sugar, or Long Smooth. Roots long, white, smooth, tender, sugary, excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Improved Guernsey. Shorter and thicker through than the Sugar; roots smooth, fine grained and sugary in flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.



PEANUT, or GROUND PEA.



GEORGIA IMPROVED GROUND PEA, or PEANUT. This variety is much superior to the ordinary peanut, yielding fewer imperfect pods and combining earliness, productiveness and size; yields on ordinary land over one hundred bushels to the acre. Full directions for planting, growing and harvesting printed on each packet. Large pkt., 15c.; 2 pkts., 25c.; 5 pkts., 50c.

PEAS.

One quart will plant one hundred feet of drill. One and one-half to two bushels will plant one acre.

Please remember to remit for postage 8c. per pint, 15c. per quart, on peas, when ordered to be sent by mail; packets only are sent free of postage.

LARGE PACKETS OF ANY VARIETY, 5c. EACH, POST-PAID.

Extra Early Varieties.

Those marked with a (*) are wrinkled varieties.

JOHNSON & STOKES' EXTRA EARLY. The earliest and most profitable for the market gardener. See large cut. Pkt., 5c.; pint, 15c.; qt., 30c.; peck, \$1.25; bush., \$4.50.

SUTTON'S SATISFACTION. The sweetest of all peas. See Novelties, page 11. Pkt., 25c.; 3 pkts., 60c.; pint, \$1.00.



CLEVELAND'S ALASKA. The earliest blue pea, very uniform in growth. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable extra early pea for market gardeners; height, two feet. Pkt., 5c.; pint, 18c.; qt., 35c.; peck, \$1.75; bush., \$6.00.

Philadelphia Extra Early. An excellent variety, combining earliness and productiveness; height, two and one-half feet. Pint, 10c.; qt., 20c.; peck, \$1.00; bush., \$3.75.

Laxton's William First. A new variety, ripening a few days after the Philadelphia Extra Early. Peas are remarkably large, fine and of delicious flavor; pods long, deep green color, very plump and large; height, three feet. Pint, 25c.; qt., 40c.

CARTER'S LIGHTNING. A new English pea, claimed by the originators to be the earliest pea grown; height, two and one-half feet. Pkt., 10c.; pint, 30c.; qt., 50c.

***Laxton's Alpha.** The earliest blue wrinkled marrow; prolific, of fine flavor; pods large and well filled; height, two and one-half feet. Pkt., 5c.; pint, 18c.; qt., 35c.; peck, \$1.25.

***AMERICAN WONDER.** This pea is a hybrid, between the Champion of England and Little Gem, and possesses the merits of both. It is the earliest wrinkled variety, growing to the height of ten inches; very robust, producing large, well filled pods; of fine flavor. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, \$2.00; bush., \$7.50.



2797 BUSHELS OF JOHNSON & STOKES' SELECTED EXTRA EARLY PEAS
were sold in 1888 to the Market Gardeners of the United States with the most satisfactory results.

This Extra Early Pea, bearing our brand, is a careful selection of our own, and will be found entirely distinct and superior to any other. Our pea farm is situated sixty-seven miles farther North than any other, which largely contributes to their extreme earliness and fine dwarf habit. The pod is of a dark green color, of a full round shape, and of strong texture, which especially fits it for shipping long distances. On average soil it will not exceed eighteen inches in height, and does not require stakes or brush of any kind for support. So evenly do the pods fill up, that frequently the entire crop can be gathered at one picking, which is a very valuable feature for the Market Gardener. All those requiring a pea to withstand extreme cold weather should not fail to plant this sort. The far Northern point at which it is grown renders it almost proof against cold, and the best for early spring or late fall crop. Please read below "What Market Gardeners say of it." Pkt., 5c.; pint, 15c.; qt., 30c.; peck, \$1.25; bush., \$4.50; 5 bush., \$21.00, by freight or express.

MARKET GARDENERS SAY "NOTHING TO EQUAL IT"

THE BEST OF SIX OTHER BRANDS.

JNO. R. COOPER, Stillwater, N. Y., Sept. 29, 1888, writes: "Of six brands of extra early peas planted, the Johnson & Stokes' Extra Early excel, both in early maturing, hardness, production and flavor. They are the earliest, by ten days, and suits me and this market to perfection."

FAR AHEAD OF ALL OTHERS.

JOHN MARSHALL, Fort Madison, Ia., writes: "I am hardly able to express my high appreciation of your excellent seeds. Your Johnson & Stokes' Extra Early Peas are grand; they came in far ahead of all other extra earlies. Your Kolb Gem Watermelon is a gem indeed. The Johnson & Stokes' Earliest Cabbage and Cory Sweet Corn far excelled any we have ever raised."

ALL COME OFF IN ONE PICKING.

JNO. G. CLARK, Forrest Grove, N. J., writes: "The Johnson & Stokes' Extra Early Peas are fine, they ripen together; the first picking will clean them up. Your seeds gave perfect satisfaction, I shall use them altogether."

DO NOT MILDEW.

H. M. RITTENHOUSE, Granville, Pa., writes: "I have tried nearly all brands of Extra Early Peas, but find the Johnson & Stokes' Extra Early far excel all others for both early and late crops; they are the only variety that give good crops and do not mildew when planted late."

EARLIEST AND MOST PRODUCTIVE.

J. E. BROWN, Seward, Pa., writes: "The Johnson & Stokes' Extra Early Peas are the earliest and most productive pea that have been known hereabouts."

PEAS, Extra Early Varieties—Continued.

***McLEAN'S LITTLE GEM.** A dwarf, first early, green wrinkled marrow, very prolific and of superior flavor; height, one foot. Pkt., 5c.; pint, 15c.; qt., 30c.; peck, \$1.50; bush., \$5.75.

***HORSFORD'S MARKET GARDEN.** This new wrinkled pea is the result of a cross between the Alpha and American Wonder. It requires no brushing, is extremely prolific, and bears its pods in pairs. One hundred and fifty-four pods have been counted on a single plant. On the trial grounds of the *Rural New Yorker*, in 1883, it did so well that it was selected by that paper for its Seed Distribution. Height, two feet. Pkt., 5c.; pint, 18c.; qt., 35c.; peck, \$1.75; bush., \$6.50.

PEAS.—Early Varieties.

Large packets, 5c. each, post-paid.

Tom Thumb. Very dwarf, not exceeding ten inches in the richest soil, productive and of excellent quality. Pkt., 5c.; pint, 15c.; qt., 30c.

McLean's Blue Peter. One of the earliest and hardest of the Tom Thumb varieties; blue seed, dark green pods, large peas of excellent quality; a capital bearer; height, nine inches. Pint, 15c.; qt., 30c.

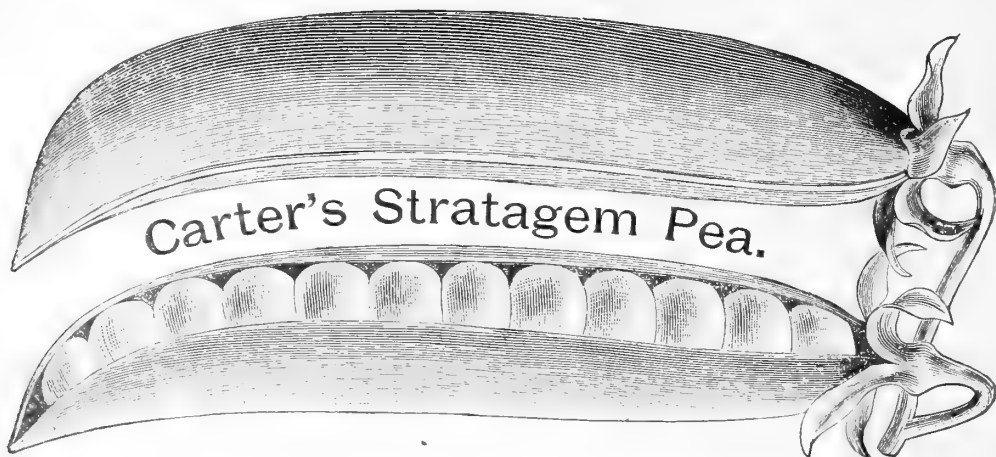
Kentish Invicta. A productive blue variety, of excellent flavor; a good market variety; height, two feet. Pint, 15c.; qt., 30c.; peck, \$1.40; bush., \$5.00.

Improved Daniel O'Rourke. Seven to ten days later than Johnson & Stokes' Extra Early; very prolific; height, three feet. Qt., 20c.; peck, \$1.00; bush., \$3.75.

***McLean's Advancer.** A fine market variety, prolific, well filled, long pods; early, tender and of delicious flavor; height, two and one-half feet. Pint, 15c.; qt., 30c.; peck, \$1.50; bush., \$5.00.

Bishops' Dwarf Long Podded. A very early, productive dwarf variety, producing good sized pods, well filled; height, one and one-half feet. Pint, 25c., qt., 40c.

***PREMIUM GEM.** A fine dwarf extra early, wrinkled variety; pods long and prolific; height, fifteen inches; fine for forcing. Pkt., 5c.; pint, 15c.; qt., 30c.; peck, \$1.60; bush., \$6.00.



CARTER'S NEW STRATAGEM PEA.

THE FINEST OF ALL LATE PEAS.

A remarkably fine, new English variety, deserving the strongest praise. Height, two feet, literally covered with large handsome pods. In quality none can equal it. The above cut is a correct representation of the size of the pods, which are often over six inches in length, and contain from nine to ten very large, fine flavored peas. It is more sensitive to cold or wet weather than any other wrinkled sort, and on this account should not be sown until the ground is warm. MR. ROBERT NICHOLS, a noted market gardener of Philadelphia, gathered, the past season, "twenty-one bushels from one peck of seed," which will give some idea of its wonderful productiveness. Pkt., 10c; pint, 35c; qt., 60c., post-paid. Qt., 45c.; peck, \$2.50; bush., \$9.50, by freight or express.

PEAS—Late Varieties for General Crop.

Large Pkts. 5c. Each, Post-paid.

***LAXTON'S EVOLUTION.** A new Pea from England, growing about three feet in height, branching and bearing continuously the whole season; pods are very fine and large, containing eight to ten fine large wrinkled peas of unusually rich, sugary flavor. Pkt., 10c.; pint, 30c.; qt., 50c.

***LONG ISLAND MAMMOTH (New).** A general and universal favorite with the Long Island market gardeners (where it was originally introduced), being an excellent cropper. Pods large size, and well filled with peas of very good quality, and earlier than the Champion of England. We particularly recommend this variety for market use. Seed green, height three and one-half feet. Pint, 25c.; qt., 50c.; peck, \$2.00.

PRIDE OF THE MARKET. Another famous new pea from England, although introduced there but a few years since, has become one of the most popular market peas. It bears very long pods, filled with fine, large peas of superb quality. Your garden will not be complete without this grand pea. Try it. Height one and one-half feet. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, \$2.00. Bush., \$7.50.

***CARTER'S TELEPHONE.** A very robust and productive English wrinkled variety, with long pods, containing ten to twelve very large, fine flavored peas. It is an enormous cropper; height, four and one-half feet. Pkt., 5c.; pint, 25c.; qt., 50c.; peck, \$2.50; bush., \$9.50.

***BLISS'S EVERBEARING.** This new pea is a cross between the Little Gem and the Champion of England; height of vine, eighteen inches to two feet; foliage large, firm and bright green; pods three to four inches long, each pod producing from six to eight, large wrinkled peas; peas very large. Its habit of growth is of a peculiar branching character, forming as many as ten stalks from one root-stalk. The great value is found in its long-continued bearing. Pint, 25c.; qt., 50c.; peck, \$2.00.

***BLISS'S ABUNDANCE.** This new variety is claimed to be the most prolific variety known. Plant half dwarf, fifteen to eighteen inches high; foliage, large, thick, full and dark green. Pods, three to three and one-half inches long, roundish and well filled, containing six to eight large wrinkled peas of excellent quality. Pint, 25c.; qt., 50c.; peck, \$2.00.

***CHAMPION OF ENGLAND.** One of the most popular wrinkled varieties; of delicious flavor; a profuse bearer; height, five feet. Pint, 13c.; qt., 25c.; peck, \$1.50; bush., \$5.50.

***Yorkshire Hero.** A large, wrinkled, luscious and prolific variety; pods long, round and closely filled; for late crop it has few equals; height, three feet. Pint, 15c.; qt., 30c.; peck, \$1.75; bush., \$6.00.

DWARF BLUE IMPERIAL. A favorite with the market gardeners; a good bearer; of fine flavor; height, two and one-half feet. Pint, 13c.; qt., 25c.; peck, \$1.25; bush., \$4.50.

ROYAL DWARF WHITE MARROWFAT. A large, delicious marrow pea; an excellent cropper, and a favorite with market gardeners; height, two feet. Qt., 20c.; peck, 75c.; bush., \$2.50.

***Dwarf Sugar.** Edible pods when young; fine flavor; used like snap beans, also as a shelled variety; height, two feet. Pkt., 10c.; pint, 35c.; qt., 60c.

Large White Marrowfat. A favorite late variety; with broad well-filled pods; height, three feet. Quart, 15c.; peck, 65c.; bush., \$2.25; 5 bush. and over, \$2.00 per bush.

Black-Eyed Marrowfat. This, as well as the White Marrowfat, is extensively grown as a Field Pea, hardy, productive, well-filled pods; height, three feet. Qt., 15c.; peck, 60c.; bush., \$2.00; 5 bush. and over, \$1.85 per bush.

PEAS.—Field Varieties.

Southern Black-Eye Cow Peas. (Whippoorwill.) Used for Soiling. Qt., 15c.; bush., \$1.75.

Canada Field Peas. Used as feed for pigeons, etc., and grown for canning, in a green state, they are similar to the canned French peas. Qt., 15c.; bush., \$2.00.

PEPPERS.

PROCOPP'S GIANT. See Novelties, page 2. Pkt., 10c.; 3 pkts., 25c.; oz., 60c.

BELL, or BULL NOSE. A large early variety, of mild flavor, round thick and fleshy; the best for pickling. Pkt., 5c.; oz., 20c.; ¼ lb., 65c.; lb., \$2.40.

Sweet Mountain, or Mammoth. Similar to the Bull Nose in shape and color, but larger and milder. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

NEW OX-HEART. A very small, heart-shaped pepper, of medium size, excellent for pickles; one of the best. Try it. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.

Golden Dawn. This pepper in shape and size resembles the Bell. Color a bright yellow, and very productive. For beauty of growth they are worthy a place in the flower as well as the vegetable garden. They are entirely exempt from any fiery flavor, and could be eaten as readily as an apple. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.



NEW OX-HEART.

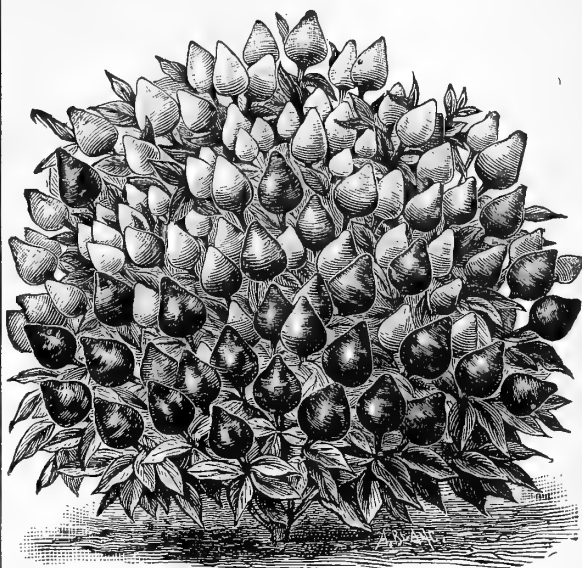


Pkt., 10c.; 3 pkts., 25c., oz., 50c.

MAMMOTH GOLDEN QUEEN. This is not only the best and most profitable mild pepper in cultivation, but is by far the largest, handsomest and most productive of all varieties; originated on our own grounds, growing to twice the size of Golden Dawn, and averaging a third larger than Ruby King, of the most perfect shape and uniform large size. The above illustration we have had made from a photograph of a single fruit. They grow from fifteen to twenty perfect fruits, from eight to ten inches long and four to five inches through on a single plant. In color they are bright, waxy, golden yellow, and so mild in flavor they can be eaten like tomatoes, with pepper and vinegar. Several of our best market gardeners, who have tried them, say they sell in market at double the prices of any other sorts, and are exceedingly valuable for stuffing as mangoes. If you want to be astonished, try the Mammoth Golden Queen. Pkt., 10c.; 3 pkts., 25c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

NEW DWARF EARLY RED SQUASH. This variety is a great improvement over the old Red Squash Pepper, being decidedly earlier and more prolific. It is of a dwarfier growth, while the fruit is rounder, smoother and milder in flavor; the skin is also much thicker. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.

RUBY KING. Our patches of this new pepper have attracted much attention. It is unquestionably the largest and handsomest of the red varieties. They grow to a larger size than the Spanish Monstrous, and of different shape. The fruits are five to six inches long by about three and a-half inches through, of a bright red color. They are remarkably mild and pleasant in flavor, having no fiery taste whatever. Single plants ripen from eight to ten fruits, making them both productive and profitable. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.25.



NEW CELESTIAL PEPPER. A marvel from China. It is not only a most useful pepper, but one of the most beautiful plants in existence. The individual plant from which the accompanying illustration was made, contained over 300 peppers.

The plant begins to set in peppers early in the season, and continues until frost, branching freely and bearing profusely. The peppers, up to the time they are full grown, are of a delicate, creamy yellow color, and when fully grown change to an intense vivid scarlet, making a plant, when loaded with fruit—part of one color and part of another—an object of the most striking beauty and oddity, and worthy of a place in the flower as well as the vegetable garden. The peppers are borne upright, two to three inches long, of clear, sharp flavor, and superior for any of the uses to which peppers can be put. Pkt., 10c.; 3 pkts., 25c.; 7 pkts., 50c.; oz., 75c.

RED CLUSTER. This new pepper attracted much attention at our grounds the past two summers. It is undoubtedly a sport of the Chili, which it slightly resembles, the leaves and fruits are smaller, while it is much more productive, the fruits being curiously crowded together on each branch, making the plants extremely ornamental as well as useful. The peppers are very hot, long and thin in shape, and of a conspicuous coral red color. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.50.

Large Sweet Spanish. Productive, mild flavor, fine for pickling. Pkt., 5c., oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

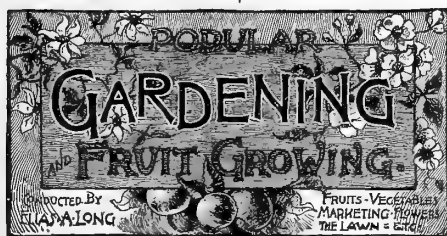
Long Cayenne. From three to four inches long, of a bright red color, very productive and hot. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Spanish Monstrous. A very large variety; very sweet; of good flavor. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Cheese. A large, cheese-shaped variety; used for pickling. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Cherry Red. A beautiful ornamental variety; fruit round, of a rich glossy color, and very hot; used for seasoning. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

A Present for our Customers.



POPULAR GARDENING AND FRUIT GROWING.

This is one of the brightest, most useful and practical of all the horticultural magazines, and should be in every family. We think so highly of it, that we have arranged to present one year's subscription absolutely free (subscription price if ordered from the publishers being \$1.00) to all who express a desire to have it and send us orders for Vegetable and Flower Seeds to the amount of \$5.00 and over.



We make the selection of seed potatoes a specialty. Our stock is grown in the North, by the most reliable growers, and for purity and superior quality cannot be excelled.

PLEASE NOTE. As prices are subject to fluctuation, and may advance later in the season, we would request that our customers send in their orders as soon as possible after receiving our Manual. All orders accompanied by the cash will be promptly acknowledged, and potatoes forwarded as soon as weather permits, in time for spring planting. Customers residing South can have them shipped at any time during the winter with little or no risk, but those residing North or West had better wait until the weather becomes settled, in early March, which will be in ample time for planting. To freeze potatoes, when packed in tight barrels, requires extremely cold weather. We ship each season several thousand barrels seed potatoes to nearly all sections, North, East and West, and rarely receive a complaint of freezing.

We make no charge for bags, barrels or cartage. We will quote special prices on five barrels of one variety.

The following varieties have been tested in various parts of the country, and have met with unqualified approval. They are selected as those most worthy of consideration and tried excellence, and known to be good.

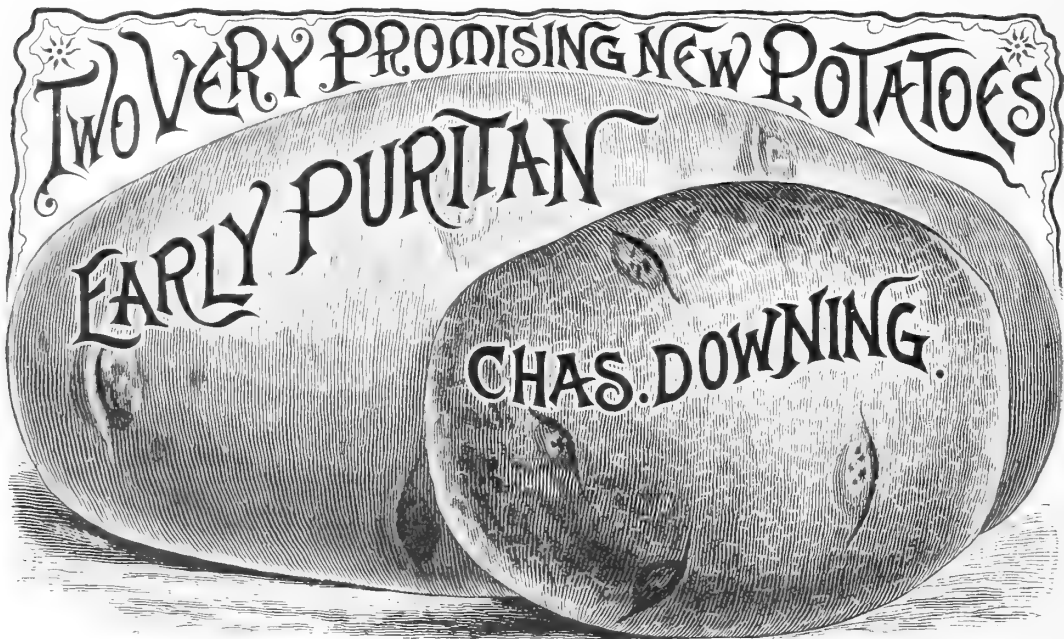
POTATOES BY MAIL. All potatoes, excepting CROWN JEWEL, EARLY PURITAN and CHAS. DOWNING, will be sent by mail, postage prepaid, at 35 cents per pound, 4 pounds for \$1.00, carefully labelled and packed.

EARLY GEM. With the exception of the Crown Jewel, this is the earliest variety we have ever grown. It is medium size, oval, oblong in form, very smooth, the eyes being shallow and few in number, very light pink or flesh color, flesh white, fine grained and of excellent quality, cooks very mealy. Price by mail, post-paid, lb., 35c.; 4 lbs., \$1.00; by freight or express, peck, 65c.; bush, \$1.75; bbl., \$4.00.

EARLY MAINE. This new variety was originated from a seed-ball of the Early Rose, which it resembles. They grow very smooth, and are remarkably early and productive. Raised on a large scale, they yielded, in Massachusetts, as high as four hundred and ten bushels to the acre. Peck, 65c.; bush., \$1.75; bbl., \$4.00.

CLARK'S No. 1. Earlier than the Early Rose and much more productive. Four hundred and fifty bushels were grown on one acre without extra cultivation. The entire crops of 1877 and 1878 were purchased by the Government for distribution South and West. In shape it resembles the Early Rose, but of lighter color; it cooks very mealy and of excellent flavor. Peck, 65c.; bush., \$1.75; bbl., \$3.75.

PEARL OF SAVOY. This new variety is a cross of Clark's No. 1 and Extra Early Vermont. Quite as early as the Early Rose, very productive, the vines being very vigorous in growth. The tubers are oblong, fair and of large size; the flesh is pearly-white and very mealy. Peck, 65c.; bush., \$1.75; bbl., \$3.75.



NEW EARLY PURITAN POTATO.

This new variety originated with Mr. E. L. Coy, of Washington County, N. Y., a competent authority on potatoes, and originator of the well-known and popular Early Beauty of Hebron. Mr. Coy says his Early Puritan far excels the Beauty of Hebron in productiveness and quality, which indeed is saying a great deal in its favor. We gave this new variety very close attention on our potato farm this year, and we do not consider that he has given it excessive praise. The shape is well shown in our illustration, the skin and flesh is very white, it cooks dry and mealy even when half-grown. It ripens with the Early Rose, greatly exceeds it in productiveness, the vines grow strong, fast and vigorous, standing up firm as a tree. Lb., 40c.; 3 lbs., \$1.00, post-paid; peck, \$1.00; bush., \$3.00; bbl., \$6.00.

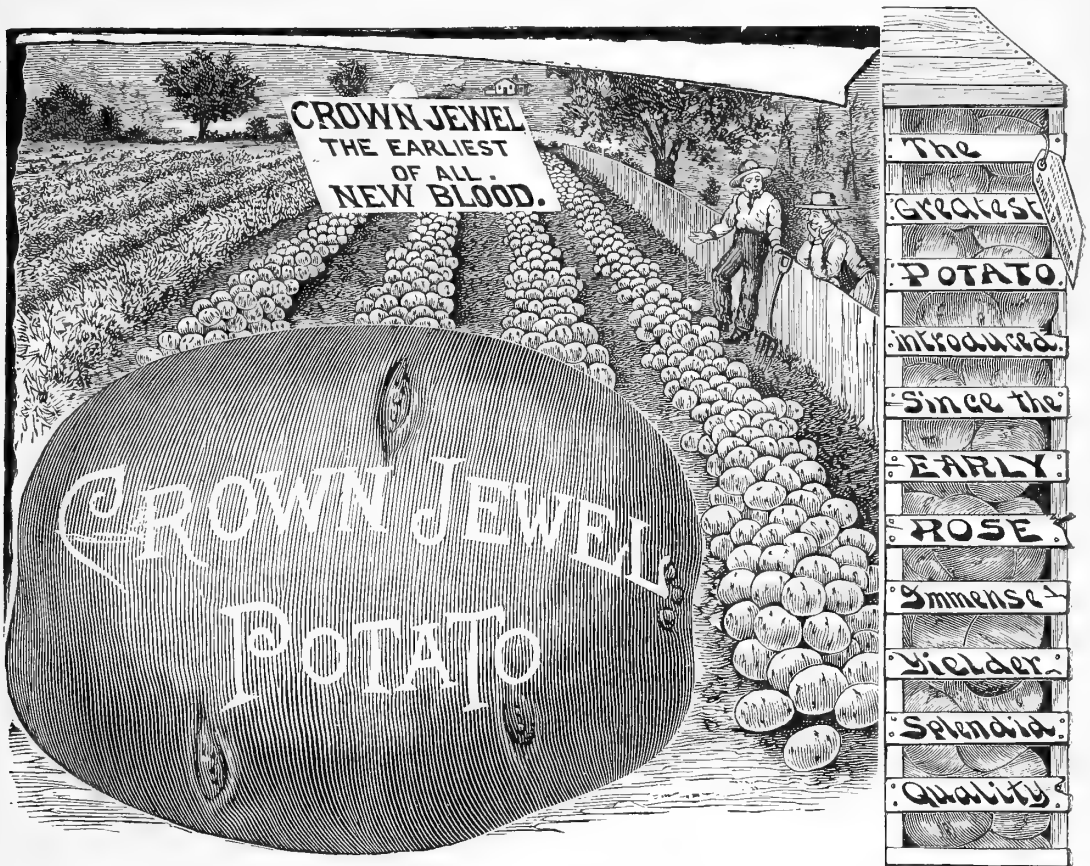
CHARLES DOWNING POTATO.

The Charles Downing is a new extra early potato, of most excellent quality, pure white in color, with a beautifully netted skin. The shape is accurately shown in our illustration, reduced in size. Tested at the Ohio State Experiment Station with over one hundred other sorts, no variety came earlier. Its average yield is given at 375.1 bushels per acre. "Early Sunrise" in same test being given at 197.5 bushels, and the "Belle" 125.7 bushels. These figures are taken from the published report of the station, and are accepted as an entirely disinterested opinion. We consider this new variety well worthy a trial. Lb., 40c.; 3 lbs., \$1.00, post-paid; peck, 75c.; bush., \$2.00; bbl., \$5.00.

A SPECIAL OFFER:

IF YOU DESIRE TO EXPERIMENT in a small way, to see which of the three new potatoes is best adapted to your soil and other purposes, we will ship one barrel containing

One-Third, Crown Jewel,
" " Charles Downing, } for \$7.00.
" " Early Puritan,



New Potato, THE CROWN JEWEL.

We have been growing this valuable new potato for four years, and feel we cannot say too much in its praise, as every claim we have made for it has been fully substantiated by every one who has given it a trial. It is a seedling of the **Early Ohio**. The seed-balls were found in a large field of that well-known variety, and it partakes of all the pure and unadulterated qualities of its excellent parent, without any admixture of baser blood. Hundreds of our customers who have tried it the past two seasons say it is the earliest and finest they have ever seen. Grown in competition with the **Early Ohio**, **Early Rose** and **Sunrise**, it more than doubled the yield of any of them; under precisely the same conditions, they were ready to dig fully a week earlier, and were pronounced by competent judges of the **finest table quality**, both baked and boiled. The **Crown Jewel** is a strikingly beautiful potato, the shape is well depicted in our illustration, skin is white and smooth, eyes shallow but strong, flesh pure white and floury, cooking evenly throughout. The vines grow vigorously, the roots extend very deeply into the soil, thus resisting drought, and its keeping qualities are equal to the best. The **Crown Jewel** has come to stay at the very top round of the ladder, and there will be a demand for seed in 1890 of all that can be grown in 1889. Lb., 40c.; 3 lbs., \$1.00, post-paid by mail; peck, \$1.00; bush., \$3.00; bbl., \$7.00, by freight or express.

THE CROWN JEWEL—A JEWEL INDEED. WHAT OTHERS SAY.

"RURAL NEW YORKER."

That well-known agricultural paper, the *Rural New Yorker*, thought so highly of this new potato that they had a large engraving made of it which appeared in a recent number. The editorial notice published stated that the yield on their grounds was "at the rate of 726 bushels to the acre, and proved earlier than the **Early Beauty of Hebron**." Such a statement made by as conservative a paper as the *Rural New Yorker*, who annually test hundreds of new potatoes, proves conclusively its great value and distinctive good qualities.

FIRST SHIPMENT IN THE STATE.

DR. J. ZACK TAYLOR, Deal's Island, Md., an extensive trucker for New York and Philadelphia markets, Sept. 15, 1888, writes: "A 'jewel' indeed I find in the **Crown Jewel** Potato, which was fit to eat ten days ahead of any other variety, and yielded beyond anything I ever saw; tops short; will grow in poorest of sandy soil. I am an experienced trucker, and know of what I am talking. My first shipment was ahead of any in the state, and brought seventy-five cents more per barrel."

TWO WEEKS AHEAD OF EARLY OHIO.

H. B. MINER, Mediapolis, Iowa, Sept. 29, 1888, writes: "I bought of you last spring one-half peck of **Crown Jewel** Potato, from which I dug, in seventy-six days from the time I planted, twelve bushels of as fine potatoes as I ever saw. They beat the **Early Ohio** more than double and two weeks quicker in growth. The ground was not manured at all; after laying the potatoes it became very hard and needed rain, but at this time it was very dry or I would have had far more."

SUPERIOR TO EIGHT OTHER VARIETIES.

L. F. BRENSINGER, Slatington, Pa., writes: "I planted the **Crown Jewel** Potato by the side of eight other varieties; find it, far superior in yield, earliness, size and quality."

EARLIEST AND MOST PRODUCTIVE EVER GROWN.

D. J. COLEMAN, Great Barrington, Mass., writes: "The rapid growth and early maturity of your **Crown Jewel** Potato, was the subject of remark among all my neighbors. I pronounce them decidedly the earliest and best yielding potato I have ever grown."

POTATOES—Continued.

EARLY SUNRISE. This new variety originated with a German gardener of Rensselaer County, New York. The great claims for it are its extreme earliness and great productiveness. The tubers are oblong, large, solid, uniform and handsome; flesh white, fine grained and dry, cooking well, even when first dug; very productive and fine keeping qualities. Peck, 65c; bush., \$1.75; bbl., \$3.75.

EARLY BEAUTY OF HEBRON. One of the best early sorts, ripening a week earlier than the Early Rose; a strong grower, yielding largely; white flesh and delicate flavor. Peck, 60c; bush., \$1.25; bbl., \$3.00.

EARLY OHIO. A seedling of the Early Rose, resembling it in color, but in shape quite distinct, being round-oblong instead of oval; of excellent quality. Grown side by side with the Early Rose, it proved a week earlier, while the yield was a third greater. Peck, 65c; bush., \$1.75; bbl., \$4.00.

EARLY ROSE. Our stock of this popular variety is imported from Canada and Prince Edward Island, where we find them in their original purity, most of the stock of this variety grown in the States being mixed and inferior in productiveness. Peck, 60c; bush., \$1.25; bbl., \$3.00.

GARFIELD. A seedling of the Early Vermont hybridized with the Excelsior. Flesh white and mealy, very productive and a strong grower; a superior market variety. Peck, 65c; bush., \$1.75; bbl., \$3.75.

AMERICAN MAGNUM BONUM. This potato is a seedling of the Peachblow, and somewhat resembles that variety in general form and appearance. They are very early, even in size, free from all disease, very productive and the best of keepers, and do equally well planted early or late. Flesh white, and when boiled or baked are mealy, white as snow, and will keep until June. Peck, 65c; bush., \$1.75; bbl., \$3.75.

MAMMOTH PEARL. This medium early variety is very smooth and uniform, eyes even with the surface, skin pearly white; for the table it cooks like a ball of flour, and as white as snow, evenly to the centre. The vines grow fast and strong and yield well. Peck, 60c; bush., \$1.25; bbl., \$3.00.

MAMMOTH PROLIFIC. This potato originated in New York State, and was selected by the originator from a large number of seedlings for its wonderful yield and good qualities; skin white, eyes few and even with the surface, flesh pure white, fine grained, always solid, cooks dry and floury, a vigorous grower. The tubers grow compactly in the hill, and vary from medium size to very large. They are medium early, productive, and best of keepers. Peck, 65c; bush., \$1.75; bbl., \$3.75.

MORNING STAR. A promising new variety from Washington County, N. Y. And although a pure-bred seedling of the Beauty of Hebron, it bears little resemblance to that variety, being of better color, hardier, less liable to disease and more productive. Its color is pure white, form oval to oblong, seldom growing slender or knobby, retains its size well to the ends, eyes even with the surface, but not prominent or numerous, quality excellent, and whether baked or boiled it is of fine floury texture; the vines make a strong and vigorous growth; tubers grow compactly in the hill with few small ones, nearly all being of marketable size. It is somewhat later than the Late Beauty of Hebron, and it is said will out-yield our best late varieties. Peck, 65c; bush., \$1.75; bbl., \$4.00.

EMPIRE STATE. A new variety, originating with Mr. E. L. Coy, the well-known originator of Beauty of Hebron, Early Puritan and other good sorts. It grows to fine, large size, ripens late, is exceedingly productive and of fine table quality. Peck, 60c; bush., \$1.25; bbl., \$3.00.

WHITE PEACH BLOW. This is one of the best winter potatoes for quality; keeps sound until spring, and boils dry and mealy; in our estimation it will always continue a general favorite. Peck, 65c; bush., \$1.75; bbl., \$3.75.

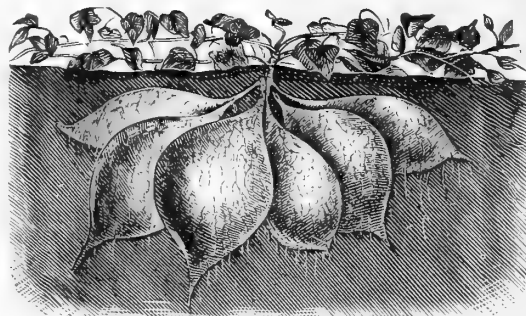
WHITE STAR. This variety has given universal satisfaction, and the yields reported are really wonderful. It is a result of the Excelsior, fertilized with pollen from the White Peachblow. The foliage is dense, dark green; vines strong, stocky and vigorous, on which account it is well calculated to resist the ravages of the Colorado Beetle. The tubers are oblong, large, uniform and handsome; it is medium early. Whether baked or boiled, its cooking qualities are faultless and an excellent keeper. Peck, 60c; bush., \$1.25; bbl., \$3.00.

WHITE ELEPHANT, or LATE BEAUTY OF HEBRON. This superb late variety is a cross between the Garnet Chili and White Peachblow, and combines all the best qualities of these varieties, viz: wonderful productiveness, excellent quality and flavor, and resists disease, keeping well until far into the spring. Peck, 60c; bush., \$1.25; bbl., \$3.00.

THE BELLE. Skin is of a light red color, very smooth and beautiful, with eyes but slightly depressed. Extra large in size. Unsurpassed in cooking qualities. Grows a strong, heavy, upright, branching stalk, with dark green foliage. An excellent yielder. Peck, 65c; bush., \$1.75; bbl., \$3.75.

PEERLESS. A well-known, productive, late variety. Peck, 60c; bush., \$1.25; bbl., \$3.00.

BURBANK'S SEEDLING. A white-skinned variety, ripening between the early and very late varieties. When cooked is dry and floury; flesh fine grained, and produces enormously. Peck, 60c; bush., \$1.25; bbl., \$3.00.



NEW EXTRA EARLY CAROLINA SWEET POTATO.

SWEET POTATO—EXTRA EARLY CAROLINA. This wonderful variety originated in North Carolina, and is far superior to all other varieties in earliness, productiveness and quality. Of a bright yellow color, shape nearly round, and shorter than the ordinary varieties. Slips planted May 15th, produced edible tubers July 29th. Owing to its extreme earliness, it is better adapted to cultivation in the Northern States than any other variety. Does well on any ordinary soil, and is the best of keepers. Price, per peck, \$1.00; bush., \$3.00; bbl., \$6.50. Price of plants, ready May 1st, \$1.25 per 100, by mail, post-paid; \$1.00 per 100, \$6.00 per 1000, by express.

NEW JERSEY SWEET AND EARLY NANSEMOND. The justly celebrated Philadelphia Sweet Potatoes, universally grown for Philadelphia and New York markets. Peck, 65c; bush., \$1.75; bbl., \$3.75.

Plants of the above varieties ready May 1st. 75c. per 100, by mail, post-paid; 50c. per 100; \$2.50 per 1000, by express.

640 BUSHELS PER ACRE.

H. L. WYSON, Newberne, Va., writes: "The Extra Early Carolina Sweet Potato is the best I have ever grown in earliness, quality and productiveness; on one-eighth of an acre I raised eighty bushels."

MUCH EARLIER AND MORE PRODUCTIVE.

A. B. WINGERT, Upper Strasburg, Pa., writes: "The Extra Early Carolina Sweet Potatoes we think a great acquisition. We raised a large crop and found many hills containing from twelve to sixteen potatoes, of fine size, grown from a single plant, and all packed in a bunch; the quality cannot be surpassed; in color and shape they are attractive, very sweet and matured much earlier than any other sort."

THE CONCAVE AND CURVED SEED POTATO KNIFE.

Is thin and right shape to cut to 1, 2 or 3 eye pieces, fast and not crack the tuber or injure the germs. Endorsed by planters everywhere, thousands now in use.



Give this knife a fair trial and if you are not satisfied that it will pay you to cut your potatoes with it, return to us and we will refund your money. Illustrated circular showing structure and full directions for cutting with each knife. Price, 35c., post-paid.



T. E. DALTON, Sarasota, Fla., writes: "Received potatoes and seeds in good condition. The potatoes are the best I ever purchased. To get the best seeds for my money, I shall patronize your house in the future."

DANIEL H. GLATFELTER, West Manchester, Pa., writes: "You certainly sent me a fine lot of seeds; they are the cheapest and best I ever bought; only regret I did not double my order. The New Onion No. 5 (Madrid Giant), sent me for trial is a wonder."

S. E. HOPE, Taylor P. O., Md., writes: "I have been getting seeds for myself and neighbors for the last five years from your house and they have proved more than satisfactory in every instance."

R. I. OVERSTEG, Oversteg, Col., writes: "Your seeds give great results. The radishes sell at sight, without any talking. The Eclipse Beet is the sweetest of all beets. I must say your J. & S. Earliest Cabbage is a dandy. From your seeds I harvested the first good crops in seven years. Will have no others in future."

PUMPKIN.

One pound will plant two hundred to two hundred and fifty hills; four to six pounds are required to plant one acre.



NEW JAPANESE PIE PUMPKIN. This remarkable variety comes from Japan, and will unquestionably prove a valuable addition to our pie and cooking pumpkins. Our illustration, made from a photograph, shows their exact shape. The flesh is very thick, nearly solid, the seed cavity being very small in one end of the pumpkin, unusually fine grained, dry and sweet, having much the same taste and appearance as sweet potatoes. They ripen early, keep well and produce largely. The seeds are peculiarly marked and sculptured in Japanese characters. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

LARGE CHEESE. One of the best for table use; very productive; skin orange; flesh yellow and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

CASHAW. Long, yellow crookneck; splendid for table use or feeding stock; flesh yellow, solid, fine grained and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

SMALL SUGAR. A very handsome little pumpkin, with deep orange-colored skin, and flesh of unusually fine sugary flavor; fine grained; very productive, and keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

NANTUCKET SUGAR. This great pie pumpkin is comparatively unknown outside of a few of the far Eastern States, where it is used exclusively in making the celebrated Yankee Pumpkin Pies. The skin is very dark green, almost black, flesh thick and of a rich orange yellow. They weigh from twelve to fifteen pounds, and will keep for a year. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

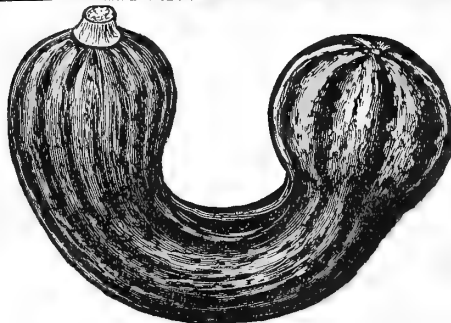
NEW BANANA. A splendid little pumpkin of finest quality for pies and custards. They grow rather oblong in form, and have ten prominent ridges their entire length; flesh rich yellow, sweet and delicious. They produce largely, and are great keepers. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

GOLDEN MARROW. A splendid pie pumpkin. They are slightly ribbed, skin is of a deep orange color, flesh fine and of excellent flavor, cook soft and tender, and are excellent keepers. The vines are very productive and hardy. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

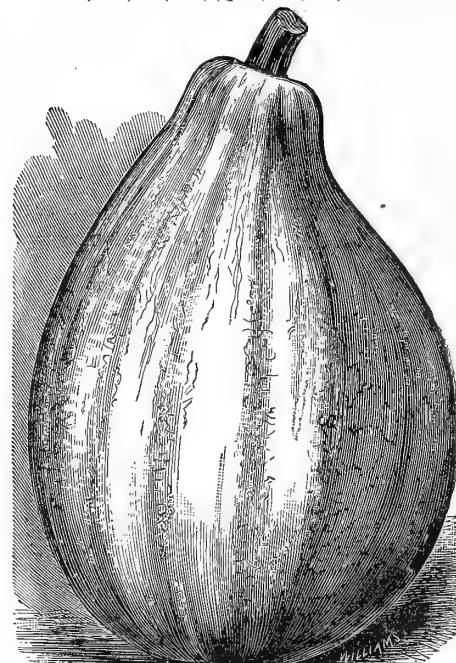
POSSUM NOSE. A handsome new variety, reaching a weight of thirty to forty pounds, with thick yellow flesh of fine quality for pies and custards; outside skin of a light blue color; ripens early; hardy, productive, and an excellent keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Common Yellow Field. Very productive, and grown for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 40c.

SPECIALTIES IN PUMPKINS



GREEN STRIPED OR IMPROVED CASHAW PUMPKIN. This is a great improvement on the well-known Yellow Cashaw Pumpkin in very many respects, and those who have thus far grown them ignore the Yellow Cashaw entirely. They are much more beautiful in appearance, being a distinct mottled green and white striped. The flesh is a rich yellow color, solid, fine grained, very thick, sweet and excellent for pies, and equally good for baking. They are very hardy, bugs seldom bother them, and can be grown among the corn, same as ordinary pumpkins, and yield a much heavier crop than the Yellow Cashaw and equally as good for stock feeding. They are hard to beat. Try them. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.



TENNESSEE SWEET POTATO PUMPKIN.

TRUE TENNESSEE SWEET POTATO PUMPKIN. Although not entirely new, we think so highly of this splendid pie and cooking pumpkin that we have made a specialty of it, and had the above engraving made from a photograph, in which their shape is accurately shown. They grow to medium size, slightly ribbed; skin is a creamy-white, lightly striped with green; flesh very thick, creamy-white, dry and fine grained; when cooked resembles sweet potatoes, but much more delicious in taste. The vines are hardy and enormously productive. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



OUR GREATEST PRIZE PUMPKIN—KING OF THE MAMMOTHS.

245 pounds in 1885.
218 pounds in 1886.
178 $\frac{1}{4}$ pounds in 1887.
191 pounds in 1888.

Is this not the greatest
of all Pumpkins?

J. H. Patterson, Barretts Mills, Ohio, an esteemed customer, grew the past season 1138 lbs. of these Pumpkins on two vines; just think of it, over one-half ton from two seeds planted. Is not the King of the Mammoths indeed a wonder?

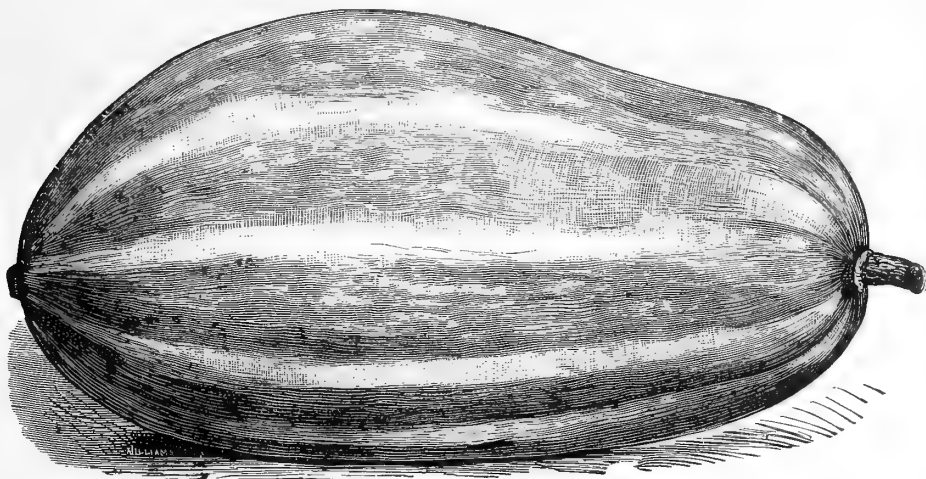
Our attention was first called to this truly colossal variety while visiting France in 1884, where we first secured seed, and distributed it among our customers. The results have been astonishing. No other pumpkin ever introduced has reached such enormous weights, and been awarded as many prizes. In competition for our cash prizes the past two seasons, over four hundred of our customers have raised specimens weighing over 150 lbs. each. The heaviest specimen grown since its introduction in this country was 245 lbs., the heaviest weights attained in 1888 (the season being wet and unfavorable for vines), and for which our cash prizes were awarded, were 191 lbs., 188 $\frac{1}{2}$ lbs., and 186 lbs., respectively. These prize-winning specimens are at this writing on exhibition in front of our store, and, being located on the principal business street of Philadelphia, where thousands of people pass daily, it is needless to say they are constantly surrounded by an admiring crowd, exciting much wonder, and even attracting visitors from all parts of the city. We have had a photograph and illustration made of the heaviest, which is shown above, and for which our first cash prize was awarded. We offer

\$50.00 in Three Cash Prizes for Heaviest Specimens Grown in 1889.

\$25.00 for heaviest; \$15.00 for second heaviest; \$10.00 for third heaviest. All reports of weights to be sent in by October 15th, at which time the prize-winning specimens will be ordered sent to us (at our expense), and cash forwarded to the successful competitors. With one of these pumpkins you would also be sure of a first prize at your county fair. The flesh and skin of a bright golden yellow color, very fine grained, of excellent quality, and notwithstanding its enormous size, it is one of the very best pie or table pumpkins ever grown, and a splendid keeper.

PRICES FOR 1889: Seeds saved from specimens selected from our patch, weighing 100 pounds and over, pkt., 25c.; 5 pkts., \$1.00. Seeds

saved from general crop, all good, large, uniform specimens, pkt., 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.00.



DUNKARD * WINTER * PUMPKIN.

This hybrid variety originated with the religious sect of Dunkards, in Bucks County, Pa., where it has had a local reputation for a few years past. Their true shape is well depicted in our illustration, engraved from a photograph. The outside skin is a rich, deep orange color, lightly striped. The flesh is very thick and of a beautiful golden yellow color, the richest flavored, finest grained and sweetest of any pumpkin we have ever tested. Their most wonderful property is their great keeping qualities, having been kept for a period of two years in perfect condition. The vines are very hardy and productive. What few that were sold last season in Philadelphia markets brought double the prices of other varieties. We found in growing our crop the past season, many specimens varying in shape from the true type, although equally as good in quality. This is owing to the hybrid origin of the variety, there being a tendency to sport back to the original parent. In saving our seed, however, we have discarded all irregular shapes, and hope in a year or two to have the variety fixed in habit. We make this statement that our customers who bought the seed last season, as well as those who buy now, may not think the seed at all mixed from any oversight on our part. Pkt., 10c.; 3 pkts., 25c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.00.

NEW FOREIGN PUMPKINS.

MAMMOTH ETAMPES BRIGHT RED. We have imported the seed of this giant variety from France, where it is quite celebrated. It has been grown in this country to enormous size; it is of a bright glossy red color, and makes a splendid variety to grow for exhibition purposes. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

GRAY BOULOGNE. This new French variety grows to a very large size, and although quite new, is already very popular. It is large, round and slightly flattened on the ends, skin of a grayish green color, growing to a weight of sixty to seventy-five pounds with ordinary culture, and with special culture will reach enormous size. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

TRUE POTIRON. Another wonderful variety from France, somewhat resembling our celebrated "King of Mammoths" in shape. They however do not grow so large and weigh so heavy as their flesh is thin and watery; of a bright yellow color. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Mammoth Tours. A French variety, which grows to an immense size, often weighing over one hundred pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

\$100.00 FOR A PUMPKIN.

We have seen the **King of the Mammoths** grown to weigh over 300 lbs. in France, and there is no reason why they cannot be grown just as large here in a favorable season, and to stimulate our enterprising pumpkin growers to give them special culture, we will pay **\$100.00 cash**, in place of \$25.00, to the grower of the largest in 1889, provided he shall attain a weight of 300 pounds or over.

- SPECIAL -

We offer a **CASH PRIZE of \$50.00** to the grower of the largest Pumpkins in 1889.

As an extra inducement for competition, and that our customers may give all our Mammoth varieties a trial, we will send, free by mail, one packet each, **King of Mammoths, Mammoth Bright Red Etampes, Gray Boulogne, and Mammoth Tours**, for 30 cents.



One oz. will sow 100 feet of drill; 9 lbs. will sow one acre in drills.

RADISH—Earliest Varieties.

NEWCOM. See Novelties, page 8. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

THE STARTLE. See colored plate and page 16. Pkt., 15c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

FIRE BALL, or RED FORCING. Those who prefer a full, turnip-shaped radish will find this, without exception, the finest forcing sort yet introduced. It is of a brilliant scarlet color, crisp, tender and mild, of very rapid growth and extremely small top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

PARIS BEAUTY. Demi-long Deep Scarlet. This handsome variety is the most popular early radish sold in the markets of Paris. In shape they are intermediate between the popular Long Scarlet and Scarlet Olive. They are of rapid growth, with rich, deep scarlet skin, white flesh, very tender and crisp. Very showy for the table or market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

Extra Early Scarlet Turnip. A round, deep scarlet, turnip-shaped, small top variety, of quick growth; mild and crisp when young. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

EARLY ROUND DARK RED. An improved strain of the Extra Early Scarlet, of deeper color and handsome appearance; very early, firm, crisp and of extra fine quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Extra Early White Turnip. Skin and flesh pure white, of very quick growth and small top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Scarlet Turnip, White Tipped. Resembling the above in shape, except of a deep scarlet color, with white tip. Very handsome. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Violet Turnip White-Tipped. A very early new variety, of violet color, lower portion of a clear white, crisp, tender, and of fine turnip form. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

Early French Breakfast. Of quick growth, very tender and beautiful, oval shape; scarlet, tipped with white; a great favorite. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



Philadelphia Gardeners' Long Scarlet Short-Top Radish.

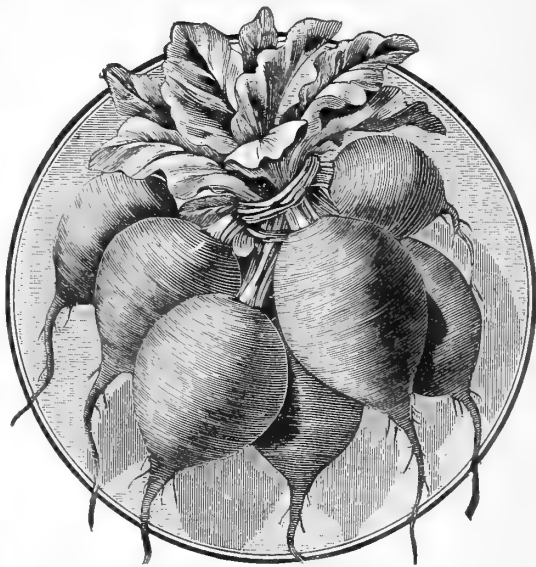
This very excellent new strain is the result of years of patient and careful selection. There is just as much difference between this strain and the European, which has heretofore been America's only source of supply, as there is between the American and European grown potato. Briefly stated, the improvements are these: it is fully six days earlier, has a shorter and more compact top, will remain in the ground longer without becoming pithy or going to seed. In shape it is somewhat shorter and thicker, thus enabling it to withstand transportation better, which is a very desirable feature. In color the upper portion is of an unusually deep brilliant red, which gradually shades to a deep waxy pink towards the tip. Owing to its handsome shape, brilliant color and fine eating qualities, it invariably commands a higher price and more ready sale than the European Long Scarlet as generally sold. Market gardeners everywhere should try this fine strain. No other can equal it. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40.

New White Lady-Finger Radish.

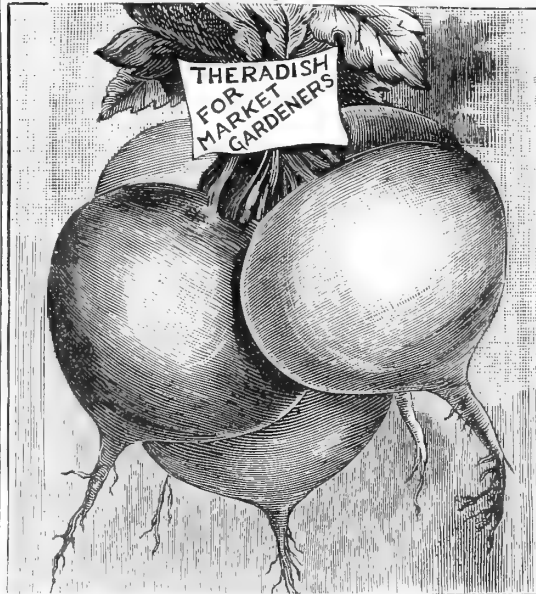
This is unquestionably the finest long white radish in cultivation. Shape most attractive and handsome, as shown in our illustration, while in color it is a beautiful snow white. It is of very rapid growth, and its fine white flesh is remarkably crisp, brittle and tender, equally desirable for the market or home garden. Sow Lady-Finger once and you will sow it always. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

New White Strasbourg Summer Radish.

This valuable variety was first introduced by us four years ago, and is now the most popular summer radish grown. It is of handsome tapering shape, both skin and flesh are pure white and almost transparent, very tender and of a delightful, pungent taste. It can be pulled five weeks from time of sowing the seed and continues to grow without losing its fine quality, and remains in a tender condition longer than any other summer sort. There is much cheap and spurious seed being offered. Procure your stock direct from the introducers, and have it reliable. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



EARLY SCARLET GLOBE RADISH. For forcing in the green-house, hot-beds or cold frames, and for sowing on open borders early in the spring, there is no other red variety so desirable. It is the earliest; its color is the handsomest; in flavor it is the mildest, most crisp, juicy and tender of any sort we know of. It forms a small top and will stand a great amount of heat without becoming pithy. It is the market gardener's favorite as a forcing radish. It always commands a much higher price, and will sell "three to one" compared with any round, red sort. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



PHILADELPHIA WHITE "BOX" RADISH. This variety, which we offered for sale last spring for the first time, is much superior and entirely new and distinct from any early white turnip radish heretofore offered. Its points of superiority are remarkably short top, rapid growth, perfect turnip shape, extra fine quality, and showing no disposition whatever to become pithy with age, but, on the contrary, remains solid and juicy long after fully grown. Its short top and rapid growth especially fits it for growing under glass, in frames or "boxes," hence its name, as well as early sowing on squares or borders in the open ground. Owing to its very few short leaves, it can be sown very thickly in the row without causing the leaves to "draw." In fact, it is fit to pull before the leaves are large enough to tie. Fully one half more radishes can be grown in the same space of this sort than any other, which makes it extremely valuable to those engaged in forcing under glass. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

RADISHES, Earliest Varieties—Continued.



ROSY GEM. This wonderful new radish has won golden opinions in all sections of the country. The illustration above is a perfect picture from nature and will give some idea of their great beauty. It is one of the very earliest in cultivation. Their shape is perfectly globular, with rich deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp and delicious, never becoming hollow nor pithy, very desirable for growing under glass and should be planted by everybody. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Early Deep Scarlet, Olive-Shaped. Flesh rose-colored and very tender. Pkt., 5c; oz., 10c; lb., 75c.

Early White Olive-Shaped. Of fine olive shape, skin and flesh white, crisp, tender, and of very quick growth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Early Long Scarlet Short Top, or Salmon. The old standard family and market-gardeners' variety. Long, bright scarlet, with small top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

WOOD'S EARLY FRAME. A splendid forcing variety, earlier than the Long Scarlet; shape not quite so long, and has a smaller top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

RADISH—Summer Varieties.

CHARTER, or SHEPHERD RADISH. A variety of the long scarlet short top, originated in Western Pennsylvania. It is exceedingly handsome and attractive, being of a deep crimson color at the top, and blending off to almost white at the bottom. It is very tender, and remains so for a long time after attaining its growth, which is quite an important feature to the market gardener. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

LARGE WHITE SUMMER TURNIP, or GLOBE. A general favorite; of large turnip shape, white skin and flesh, very crisp. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Long White Naples. A long, clear, white radish, very handsome, crisp, tender and mild. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

WHITE GIANT STUTTGART. A splendid new variety, will produce roots of excellent quality and as large as a winter radish, in six to eight weeks after sowing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

GOLDEN YELLOW SUMMER TURNIP. One of the best summer radishes; amber flesh; and keeps long in eating condition; extra fine quality and rapid growth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

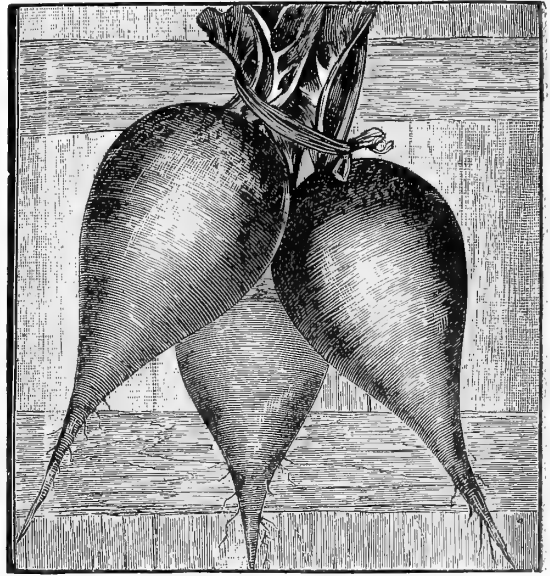
OUR RADISH SEED.

J. C. CONFER, Johnstown, Pa., writes: "The White Box Radish gave great satisfaction, grew rapidly, large and tender; the best radish to sow successively every two weeks."

B. F. TROUTMAN, West Freedom, Pa., writes: "The Philadelphia White Box Radish excels every variety in this section. Your lettuce is the wonder of all gardeners and farmers. All seeds proved grand."

WM. RANKIN, Green Cove Springs, Fla., writes: "Your White Box Radish is superior to any I have ever grown. Too much cannot be said in its praise."

WM. HESEIDING, Terre Haute, Ind., writes: "The White Box Radish is the best and earliest I ever grew."



NEW OLIVE-SHAPED GOLDEN YELLOW RADISH.

OLIVE-SHAPED GOLDEN YELLOW. This is a fine new German Radish, equally well adapted as an early forcing or summer radish. It is of very rapid growth and fine quality, flesh white, tender, crisp and brittle. The outside skin is a bright, fresh yellow, and has a very small top. Many of our market gardeners, who have grown it, pronounce it the very best radish they have ever grown. It cannot fail to prove a valuable acquisition. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

NEW SURPRISE. A variety from Spain, very early, light brown skin, pure white flesh, crisp and tender, keeps in fine eating condition without getting pithy for a long time. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

RADISH, Winter Varieties.

CHINA ROSE WINTER. One of the best winter varieties, a general favorite; bright rose-colored; flesh white, firm and of superior quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

White China Winter. Like the above except in color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

ROUND BLACK SPANISH. A fine globe-shaped winter radish, very popular with the Germans and known as *Rettig*; good quality and flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Long Black Spanish. A large winter variety; one of the hardest, with dark green leaves; firm in texture, keeping until spring. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

CALIFORNIA MAMMOTH WHITE. A winter variety growing twelve inches long; white fleshed, firm and of excellent quality. It is the largest radish grown, called by some the Mammoth Russian. Pkt., 5c; oz., 10c; lb., \$1.25.

LARGE VIOLET GOURNAY. This handsome, new and distinct variety grows to a very large size, with a purple violet skin, flesh very white, solid and firm, fine flavor and excellent keeper. In France the purple varieties are highly esteemed, and although new here, our market gardeners have found them very profitable to grow. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

RHUBARB—Pie Plant.

One ounce will produce about 1000 plants.

Large Victoria. An excellent cooking variety. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Rhubarb Roots. Each, 20c; doz., \$1.75; 100, \$8.00. By mail, post-paid, 30c. each, or \$2.75 per doz.

SALSIFY—Oyster Plant.

One ounce will sow about sixty feet of drill.

MAMMOTH SANDWICH ISLAND. This new salsify, recently introduced from the Sandwich Islands, grows fully double the size of the Long White, and is superior in quality. It is pure white in color and is invaluable to market gardeners. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Long White. A favorite variety; the tops can also be used in the spring, dressed like asparagus. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

Scorzonera, or Long Black. Pkt., 10c; oz., 25c; lb., \$2.50.

SORREL.

Large-Leaved Garden. Cultivated for its acidity and much used in salads. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c.

SPINACH.

One ounce will sow one hundred feet of drill. Twelve pounds will sow one acre.

Market gardeners desiring to purchase by the bushel will be given special prices on application.



ENKUIZEN, LONG STANDING. This is the only genuine long standing spinach imported into this country, and was introduced by us six years ago. It is undoubtedly the spinach for spring sowing, as it will stand fully fifteen days longer than any other before running to seed. We have often seen it stand so long that the leaves actually turned yellow before shooting to seed. The leaves are round, large, unusually thick, deeply curled, and of a fine dark-green color. Our stock is grown in Holland especially for us. It is considered by many also the best for fall sowing on account of its ability to stand the winter better than any other sort. This variety is superior to the ordinary Long Standing offered in many catalogues. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 45c.

AMERICAN, or NORFOLK SAVOY-LEAVED. A large, curled variety, with thick, fleshy leaves, producing about twice the weight of crop over the old sorts. Stands handling and transportation better than any other sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 40c.

Monstrous Viroflay. Grows to large size, with very thick, fleshy leaves. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

NEW THICK-LEAVED ROUND. Produces large, thick, dark green, crumpled leaves; does not run to seed quickly. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

Broad-Leaved Flanders. A large leaved, round-seeded variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

Prickly-Seeded. Hardy, but not as productive as the above varieties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 50c.

SQUASH.

One ounce will plant twenty to forty hills, according to size of seed. Four to six pounds will plant one acre.

EARLY WHITE SCOLOP BUSH, or PATTY PAN. A good early variety for market; it grows to a large size, and bears an abundant crop. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Early Golden Bush. Similar to the preceding, but of a deep orange color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 75c.

EARLY PROLIFIC ORANGE MARROW. This new variety ripens full two weeks ahead of the Boston Marrow and excels it in productiveness and keeping qualities. It is of very handsome color, medium in size, sweet flavor, with thick, high-colored orange flesh, fine grained and dry when cooked, making it a most desirable variety as a fall squash. Growing very quickly, it does well when planted as a second crop, following early peas, potatoes, etc. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

NEW OLIVE. A splendid squash, exactly the shape and color of an olive, hence its name. It attains a weight of six to ten pounds. The skin is smooth, flesh thick, firm and of golden yellow color, remarkably good in quality and very productive. It makes a splendid winter variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

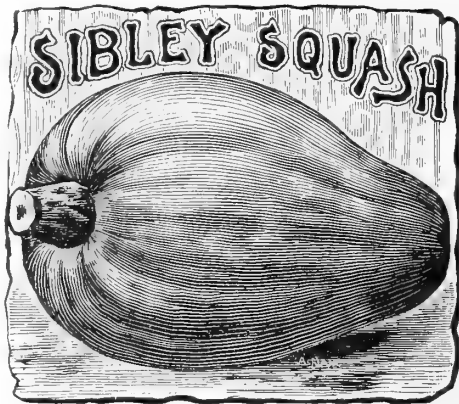
ESSEX HYBRID, or HARD SHELL TURBAN. This variety is one of the finest grained and sweetest of the squash family. Specimens kept until June as sound and good as when gathered in the fall. The flesh is very thick, rich colored and solid. It ripens early, and is one of the most productive varieties in cultivation; already very popular. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



NEW MEDITERRANEAN SQUASH.

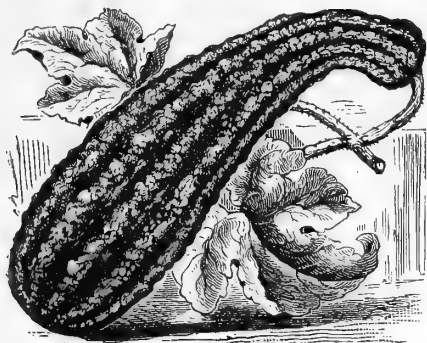
NEW MEDITERRANEAN. We were the first seedsmen in America to offer this very valuable new fall and winter squash, which, from its numerous excellent qualities, has proven a most valuable acquisition. Our attention was first called to this handsome squash by a sea captain, plying between this port and the Mediterranean, who, on one of his voyages, brought a few of these squashes with him for our inspection and trial. The above illustration, from a photograph, is an exact representation, showing their handsome form. They grow about the same size as the Hubbard, but, owing to their very thick flesh, will weigh much heavier. The outside skin is quite smooth and of a pleasing red salmon color, while the flesh is of a beautiful rich yellow, very sweet, fine and floury; its rich flavor is not approached by any other variety. The vines grow vigorously, are extremely hardy and very productive. As a keeper, they rank with our best winter sorts. They are pronounced by those who have tested them, the very best squash ever grown. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Golden Summer Crookneck. Early, productive, of good quality; skin yellow. Pkt., 5c; oz., 10c; lb., 75c.



SIBLEY. The shape of this valuable new and distinct squash is accurately shown in the above illustration. The shell is pale green in color, very hard and flinty, but so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick, a vivid brilliant orange color, dry, and of a rich delicate flavor. They range in weight from eight (8) to eleven (11) pounds. Vine remarkably vigorous and ripens its fruit simultaneously with the Hubbard. In productiveness, the new Sibley Squash has decidedly the advantage of either the Hubbard or Marblehead; it moreover ripens its fruit so evenly that nearly the whole crop may be gathered at one picking. In its keeping qualities it excels remaining in a good dry cellar, perfectly sound until the 1st of March. The hardness and flintiness of the shell render it one of the very best shipping varieties. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

VALPARAISO. This new variety from South America, when grown from the true seed, of which we are the original importers, is vastly superior to the so-called "improved" or mongrel sorts. Its shape is oblong, skin of rich cream color; the flesh is of a rich golden yellow, very thick and fine grained, and very sweet and delicate in flavor, making the best pies, etc. They grow to large, uniform size and are enormously productive and profitable to grow for cooking or feeding purposes. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.



LONG GREEN CROOKNECK SQUASH.

LONG GREEN SUMMER CROOKNECK. It seems strange that this valuable squash should be so little known outside of Philadelphia market gardeners, who grow it largely with great profit, as it is preferred to all other summer squashes in our markets. We have had accompanying engraving made of one of these squashes, which shows the shape. They have a dark green skin, striped with lighter shades of green and yellow, are very productive and of the finest quality. As a squash for frying, they are unequalled, being superior in flavor to egg-plant. They are also delicious when made into fritters. Customers who have never grown this excellent squash will be fully repaid by giving it a trial. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

BRAZIL SUGAR. This new variety, originally from South America, has been thoroughly tested in the United States. The flesh and skin are of a bright yellow color, slightly warted. As its name indicates, it is one of the sweetest of all squashes, the flesh being unusually fine grained and tender. They reach a weight of three to four pounds each, ripen early, and grow so vigorously that they are but little affected by the squash-bug. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

RED CHINA. This new squash is considered an introduction of great merit; of a very pretty bright red color outside, slightly streaked with dark yellow and green; the flesh inside is of bright yellow color, very sweet, dry, and of delicious flavor. The shell is the hardest of any squash we have ever seen. They grow to a diameter of five to six inches, and are enormously productive, each vine bearing fifteen to twenty perfect squashes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.



DO NOT FORGET OUR SPECIAL OFFER

to give free to all customers who order Vegetable and Flower Seeds to the amount of \$5.00 and upwards, and who desire it, one year's subscription to the well-known Horticultural Magazine, **POPULAR GARDENING AND FRUIT GROWING**, the price of which is \$1.00 per year.

Winter Crookneck. A variety resembling the Cashaw Pumpkin, but of smaller size; of very fine quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

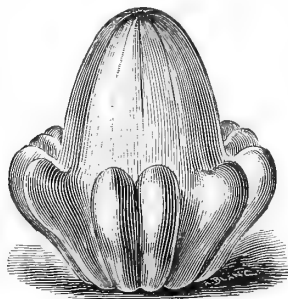
PERFECT GEM. This popular squash is a strong grower and a large yielder. They are from four to six inches in diameter, of a creamy white, with thin, smooth shell, slightly ribbed. The flesh cooked is dry, sweet and rich in flavor, and free from the strong taste peculiar to the winter sorts. It is a splendid keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

American Turban. A most excellent late variety; flesh orange yellow, thick, fine grained, sugary and well flavored. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

HUBBARD. A general favorite and one of the best table varieties; of large size, flesh fine grained, dry, and of excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

MARBLEHEAD. Resembling the Hubbard in shape; skin light blue, remarkable for its sweetness, dryness and delicious flavor, as well as for its keeping qualities. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

BOSTON MARROW. About ten days later than the Bush varieties; of excellent flavor, flesh orange and fine grained; splendid for pies and as a winter keeper. Extensively grown, and most profitable for winter use and canning. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c; 5 lbs. and over, by express, 40c. per lb.



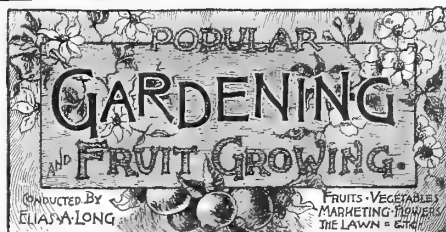
NEW PINEAPPLE SQUASH.

We have kept them for over a year in good condition. They are remarkably strong growers, each vine producing generally from ten to fifteen perfect fruits. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

NEW BAY STATE. This splendid variety comes from the same origin as the popular Essex Hybrid. The excelling features are its extreme solidity, heavy weight, fineness and dryness of grain, and sweetness of flavor. It is earlier than the Essex Hybrid, the crop averaging smaller in size and more in number, making the productiveness in weight about the same. It also possesses an extremely hard, flinty shell, and is an excellent keeper. The color of the shell is distinct from anything we have among the present varieties grown, being a blue shade with a peculiar greenish tinge. The flesh is of a beautiful bright golden yellow, very handsome and attractive in appearance and exceedingly sweet and tender in quality. Their average weight is ten pounds. We can recommend it highly. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MAMMOTH CHILL. The largest of the squash family. Many specimens taken from our patch this season weighed nearly two hundred pounds, and many of our customers have written us that they took first premiums at both State and County Fairs where exhibited. The flesh is a rich orange yellow, very thick and of good quality, very nutritious and profitable for stock feeding, keeping well all winter. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Cocoanut. A beautiful little squash, highly prized for its very ornamental appearance, as well as for its fine table qualities. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.



TOMATO SEEDS

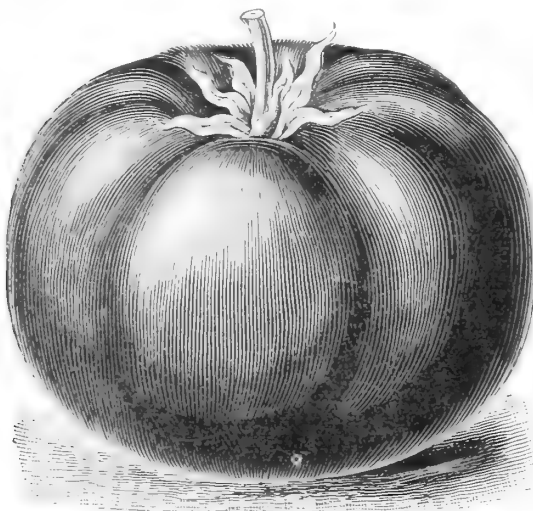
FROM SELECTED FRUIT.

One ounce will produce about 1300 plants.

For years we have made a careful study of growing the very best tomato seed. All tomatoes showing the slightest variations from the standard type are rigidly discarded, thus we obtain the purest possible seed. Our long experience and great care enables us to furnish a prime article of this important seed to market gardeners, and to retain the patronage of all who deal with us.

THE ATLANTIC PRIZE. A remarkable variety now offered for the first time. See Novelties, page 8. Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.

THE BRANDYWINE. See Novelties, page 15. Pkt., 20c.; 3 pkts., 50c.; 7 pkts., \$1.00.



JOHNSON & STOKES' NEW EXTRA EARLY TROPHY TOMATO.

JOHNSON & STOKES' NEW EXTRA EARLY TROPHY. This variety was first discovered in a patch of the well-known Trophy, where it ripened nearly two weeks ahead of others. Its shape resembles the well-known Trophy, but it ripens much earlier, and is remarkably productive, of a deep red color, growing to a good size, and does not show the least trace of rotting in its early stage of growth as the Acme and Paragon sorts do. The tomato is firm, slightly lobed, and has very few seeds. Dr. R. W. Hargadine, a well-known agricultural writer and experimenter, Felton, Del., writes: "This season I tested a large number of tomatoes with a view to ascertain what was the best and earliest sort for market, and I find that your Extra Early Trophy is certainly entitled to the preference. It is an abundant bearer, and has the happy feature of ripening its entire crop at one time—which is a very important thing to a market gardener whose profit depends upon getting his crop into market early." Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

EXTRA EARLY ADVANCE. A new extra early tomato, of bright scarlet color, of medium size and good quality, a cross between Alpha and Perfection. It surpasses the former in wonderful early ripening qualities, and equals the latter in beautiful form and productiveness. The vines bear heavily, frequently 100 to 125 fruits to a vine. Our market garden friends will find the Extra Early Advance a valuable variety with which to strike the earliest markets. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

KING OF THE EARLIES. A new variety, somewhat rough around the stem, of good quality and fair market size; its great quality is extreme earliness. Pkt., 15c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.25; lb., \$5.00.

LIVINGSTON'S NEW BEAUTY. Another fine variety, coming from Mr. A. W. Livingston, the well-known originator of the Acme, Paragon, Perfection and Favorite, from whom we obtained our seed stock. We find it very distinct from all former introductions. The color is a glossy crimson, with a purple tinge; it grows in clusters of four and five, retaining its large size late in the season; very solid, with a tough skin, making it very desirable for market and shipping. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.



NEW DWARF CHAMPION TOMATO.

DWARF CHAMPION. A very distinct new variety of upright growth, as shown in the above cut. The originator claims that it will produce double the quantity of early fruit per acre over any other sort, its close, upright growth allowing it to be planted closer together. It is also very early; an idea of its earliness may be had from the fact that on a plot of 500 plants, two bushels of ripe fruit was gathered July 4th, when other varieties grown alongside showed no signs of ripening. The fruit resembles the Acme, is of a purplish pink color and always smooth and symmetrical in form. It is of medium size and attractive in appearance; the skin is tough and the flesh solid and of fine quality. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50.

Early Mayflower. Of bright red color, ripens evenly up to the stem, shape globular, slightly flattened, perfectly smooth; flesh solid, of rich flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

LIVINGSTON'S PERFECTION. This valuable variety comes from the same source as the Acme and Paragon. It is shaped like the Acme, larger, fully as early, perfectly smooth, blood-red in color, very solid and a heavy cropper. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

Early Acme. Ripens evenly, of medium uniform size, round, very solid, and of a pink purplish color; very productive, bearing until killed by frost. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

THE QUEEN. A new variety, originated in Salem County, N. J., where it is greatly esteemed for canning purposes; grows very large, of bright red color, slightly rough at the stem end. Pkt., 5c.; oz., 25c.; lb., \$2.50.

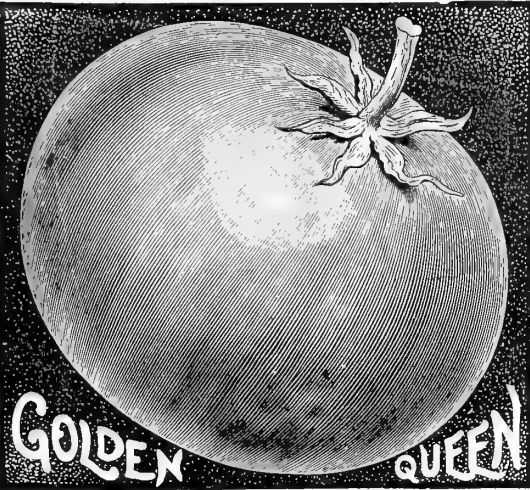
THE CARDINAL. This new tomato, first offered three years since, was discovered in a field of Acme, from which it is quite distinct in both fruit and foliage. It is of vigorous growth, and bears abundantly throughout the season. The fruit is uniformly smooth and free from ridges, and is of a brilliant cardinal red. The flesh is of the same brilliant color, having no green core and very few seeds. Its evenness of ripening—so many tomatoes in the same stage at the same time—is a marked feature in this variety, as is also the uniformity of the same large size throughout the entire season. It keeps well and is a fine shipper. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.50.

SCOVILLE'S HYBRID. A variety originated near Syracuse, N. Y., where it is very popular with market men and canners. In many respects it resembles the Cardinal, of brilliant red color, large size and excellent in quality. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

SELECTED EARLY PARAGON. Very solid, dark red color, heavy foliage, a favorite market variety; excellent for canning. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LIVINGSTON'S FAVORITE. The originator, Mr. Livingston, describes this new tomato as follows: "The Favorite has several advantages over my other varieties. It is smoother than the Paragon, and never hollow late in the season. I had tomatoes ripe in July, and the same vines had an abundant crop on them September 22d. Does not crack after ripening, is of a darker red than the Perfection, and is larger than either. It has very few seeds, is ripe all through at once, and is very productive." Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

Trophy. This well-known variety has become a favorite family and market tomato; large size, fine flavor, fruit solid. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.



NEW GOLDEN QUEEN TOMATO. A fine new yellow sort of first-class quality. It is solid, very smooth, free from ridges, large in size, ripens up evenly, and is a very handsome sort; in fact, by far the most beautiful yellow variety ever sent out. The larger and riper fruits are frequently tinged with red at the blossom end; none is better for preserving or slicing; the handsome golden yellow slices make a beautiful contrast in a dish with red tomatoes. It has very little acid and the quality is excellent. Try it. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

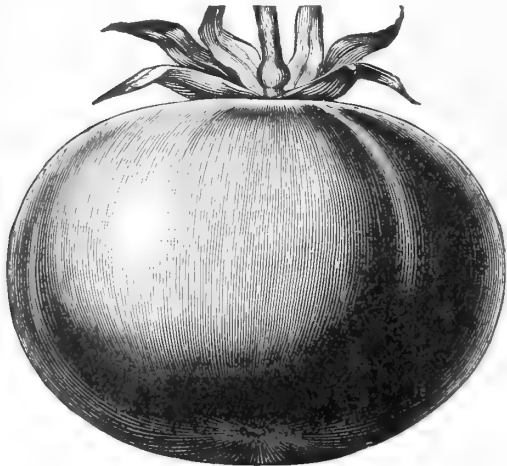
NEW TOMATO, "VOLUNTEER." This tomato was introduced last spring and is well spoken of by all who have tested it. It originated on Long Island and is thus described by the introducers: The Volunteer was procured by crossing Trophy and Canada Victor, and the result of that crossing with Perfection, combining their good qualities without retaining any of their objectionable features. They grow to a large size, averaging six to ten ounces, round, very smooth and perfect in form, color bright red, with little core and very early. The quality is very superior for table use and canning. Enormously productive, ripening well to the stem. Our seed is grown from the originator's stock. Pkt., 10c.; 3 pkts., 25c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



THE MIKADO, or TURNER HYBRID. This new variety, also called the \$1600 Tomato, originated in Iowa, and is entirely distinct from all known varieties. The foliage differs from that of all other tomatoes, the large leaves being entire and not cut. It is a rank grower with, thick stalks, and enormously productive. The fruit is extra large in size, round, smooth, very thick through and remarkably solid. The average weight of the tomatoes is from twelve to eighteen ounces. They ripen up evenly and are entirely free from core. They make the handsomest sliced tomatoes, and have been pronounced by all who have tried them unequalled in fine flavor and table qualities. The skin is thin but rather tough, consequently the tomatoes keep in fine condition much longer than most other varieties. Color is a deep brilliant red. Our stock has been carefully selected for three years past and is unsurpassed. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



EARLY MARKET CHAMPION TOMATO. This valuable new tomato originated with a prominent Philadelphia market gardener, who has for many years made the selection and improvement of the tomato a specialty. He has always had extremely fine large tomatoes in market ahead of all competitors, thus realizing handsome prices for his crop. He has also carried away first prizes at all the fairs where exhibited. His aim has always been to combine earliness with large size and perfect, smooth shape, and that he has succeeded in a most wonderful degree is evidenced in the Market Champion. The fruit is of a bright, glossy pinkish purple, almost like wax, flesh is very hard and solid, keeping a long time after ripe without getting soft or rotting. Its shape is most perfect, being smooth and uniform in size, ripening all over at one time. It is a vigorous grower, the foliage being quite distinct. There is no other purple tomato cultivated that will ripen so early or produce more bushels of large, handsome fruit to the acre, than the Market Champion. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.



LIVINGSTON'S POTATO LEAF TOMATO.

LIVINGSTON'S NEW POTATO LEAF. Another fine new market tomato, remarkable for its great firmness and solidity, and in this respect it is unequalled by any other variety. It is named **Potato Leaf**, in consequence of its having such a very peculiar leaf, being whole, not cut or serrated like the leaves of ordinary kinds. In this respect, it resembles the **Mikado** or **Turner Hybrid**, but while the fruit is not quite so large as these, but large enough for all purposes, it is far smoother, equalling the old standards, **Acme** and **Paragon**, in this respect. It is a second early, and is ever-bearing until killed by frost, and it takes a pretty sharp frost or two before the fruit is injured, being protected by the heavy leaves. It has a strong vine and resists the wind remarkably well; it is an excellent variety for growing on trellis or tying up to stakes. Market gardeners give it a trial; it will stand the knocks of a market wagon first rate. It has the **Acme** color and is very prolific. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

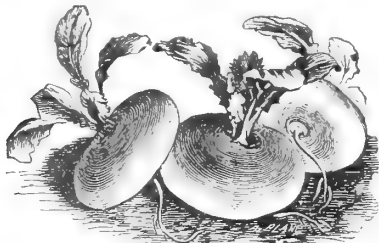
Tree Tomato. This variety is distinguished from all others by its short, stiff stalks, standing up like a tree, without support of any kind. It bears very abundantly, of fine, large, bright red tomatoes, of good, smooth shape and fine flavor. The leaves are very curly, and of a very dark green, almost black, making the plant very ornamental, as well as useful. Being a late variety, the seed should be sown early in hot-beds. Pkt., 10c.; 3 pkts., 25c.

The following varieties of Tomatoes are each 5 cents per packet; 25 cents per ounce.

Wonder of Italy, King Humbert, Essex Hybrid, Hathaway's Excelsior, General Grant, Fejee Island, Large Smooth Red, Cook's Favorite, Canada Victor, Golden Trophy, Large Yellow, Pear-Shaped, Red Cherry.

TURNIP.

One ounce will sow 150 feet of drill; one to one and one-half pounds will sow an acre.



EXTRA EARLY PURPLE-TOP MILAN TURNIP.

EXTRA EARLY PURPLE-TOP MILAN—Strap-leaved. This new variety has proven to be the earliest in cultivation. It is of medium size and flat shape, pure white flesh, of excellent flavor, small top and a good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

EXTRA EARLY PURPLE-TOP MUNICH. This remarkably handsome turnip is entirely distinct from any other variety, growing entirely above ground, pure white, with a bright purplish red top, and few leaves, flesh fine grained and is very productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

EARLY RED-TOP WHITE GLOBE. A very early and attractive variety; very productive, white flesh, of fine quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

PURPLE-TOP MAMMOTH. A new English variety, very large, solid, and of remarkably quick growth; highly recommended. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

EARLY WHITE FLAT DUTCH. An early white-fleshed variety, usually sown early in the spring; of quick growth, juicy, mild flavor, and excellent quality; also grown for a fall crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

PURPLE-TOP FLAT

—**Strap-leaved.** This variety is similar to the above excepting it is red or purple above ground. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

White Egg. A new early, white egg-shaped variety, for early or fall sowing; fine grained, sweet, an extra keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

POMERANIAN WHITE GLOBE. Useful for table as well as feeding stock; productive, hardy and a splendid autumn turnip. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Large White Norfolk, or Globe. A large growing globe-shaped variety; one of the best early varieties for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Large Cow-Horn, or White French. Grows partly above ground; very productive and of excellent quality, flesh white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Purple Top Yellow Aberdeen. Hardy, productive, a good keeper, globe-shape, good for table use or feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Golden Ball, or Orange Jelly. A rapid grower, of excellent flavor, bright yellow, a good keeper, a superior table variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

YELLOW, or AMBER GLOBE. Flesh firm and sweet, grows large, excellent for either table use or feeding stock, keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.



IMPROVED PURPLE-TOP YELLOW RUTA-BAGA.



IMPROVED PURPLE-TOP YELLOW RUTA-BAGA. The leading market variety, and largely grown for stock as well as family use; hardy, productive, flesh yellow, solid, sweet, fine grained, good flavor. We offer an unusually fine American stock of our own growing from selected roots. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Carter's Imperial Swede, or Ruta-Baga. One of the best and sweetest of the Swedish turnips, for family use and feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Large White Ruta-Baga. Differs from the Yellow only in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Seven-Top, or Forrester. This variety is grown extensively in the South for its abundant leaves, which are boiled with meats. Pkt., 5c.; oz., 10c.; lb., 60c.

POT, SWEET AND MEDICINAL HERB SEEDS.

Those marked with an * are perennial, and when once obtained in the garden may be preserved for years.



SWEET MARJORAM.

Anise.—Pkt., 5c.; oz., 15c.
***Balm.**—Pkt., 10c.; oz., 40c.
Basil.—Pkt., 5c.; oz., 30c.
Borage.—Pkt., 5c.; oz., 20c.
Catnip.—Pkt., 10c.
***Coriander.**—Pkt., 5c.; oz., 15c.
***Caraway.**—Pkt., 5c.; oz., 10c.
Dill.—Pkt., 5c.; oz., 15c.
***Lavender.**—Pkt., 10c.; oz., 50c.
Marigold, Pot.—Pkt., 5c.; oz., 25c.
***Fennel.**—Pkt., 5c.; oz., 15c.
Hysop.—Pkt., 10c.
***Horehound.**—Pkt., 10c.; oz., 50c.
***Marjoram.**—Pkt., 10c.; oz., 50c.
Sweet.—Pkt., 5c.; oz., 20c.
Opium.—Pkt., 5c.; oz., 25c.
***Rosemary.**—Pkt., 10c.; oz., 50c.
***Rue.**—Pkt., 5c.; oz., 25c.
Saffron.—Pkt., 10c.
Sage.—Pkt., 5c.; oz., 20c.; lb., \$2.00.
Savory, Summer.—Pkt., 5c.; oz., 20c.
***Savory, Winter.**—Pkt., 10c.; oz., 40c.
***Tansy.**—Pkt., 10c.; oz., 50c.
Thyme.—Pkt., 10c.; oz., 40c.; lb., \$4.00.
***Wormwood.**—Pkt., 10c.; oz., 50c.



Fully appreciating the great importance to the farmer of **GOOD FIELD CROPS**, we have given particular attention to this department of our business, and have made the **SELECTION AND IMPROVEMENT OF FARM SEEDS** a specialty, exercising great care to secure the best varieties, thoroughly cleaned, and of the finest possible quality.

At prices given, we make no charge for bags, and deliver free to any freight depot or express in Philadelphia.

◇ SEED CORN ◇

We make it an invariable rule to test our seeds carefully before sending out, and our customers may depend on getting Seed Corn that will grow perfectly under favorable circumstances. A sample ear is put in each sack with all orders of one bushel and over. Sample ears will be sent by mail to any address on receipt of twenty cents to cover postage.

IMPROVED LEAMING CORN.

The True Improved Leaming Corn is a pure, fixed and distinct variety, first introduced by us eight years ago. Our strain has been selected and improved each year since its introduction, and is the **Earliest Yellow Dent Corn in Cultivation**, ripening in ninety to a hundred days from time of planting, surpassing the Yellow Canada and Flint varieties in earliness, productiveness and quality.

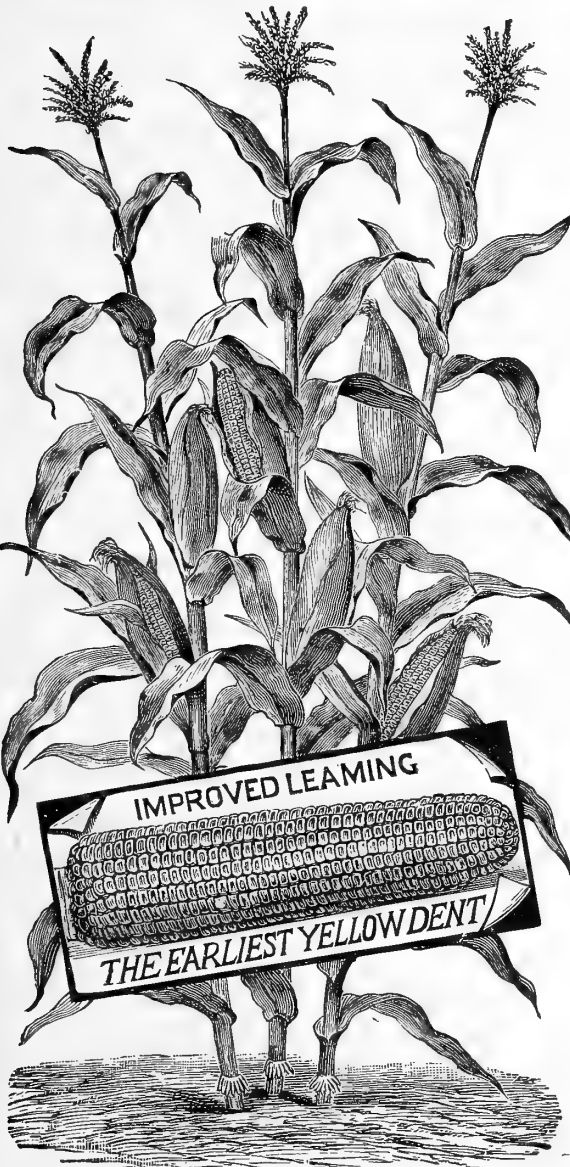
ITS FIVE GREAT ADVANTAGES

1. It is extra early and not a hard, flinty corn, but sweet and nutritious, making excellent feed and the finest meal, its quality not being surpassed by any other known variety. These facts alone will be highly appreciated by our customers in extreme Northern latitudes, where other varieties will not ripen.
2. The ears are large and handsome, with very deep, large grain, of deep orange color and small red cob.
3. The stalks grow to medium size (not large) with few suckers, tapering gradually from root to top, producing two good ears to each stalk, and husks and shells easily.
4. Its great productiveness. One hundred and thirty-six bushels shelled corn (weighing sixty pounds to bushel) have been grown to the acre on good corn ground, with good but not extra cultivation.
5. It is adapted to a greater variety of soils than other varieties, producing unusually well on light or heavy land, where other varieties would not thrive.

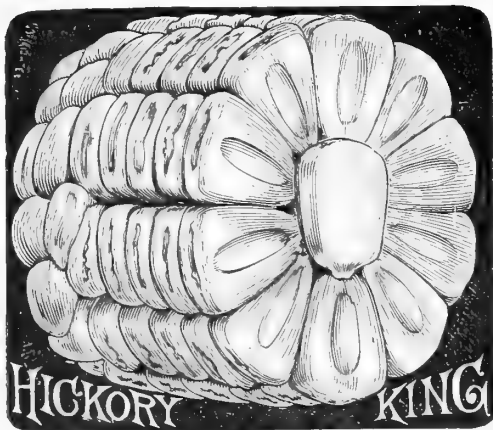
Prices by mail, post-paid, pkt., 10c; lb., 35c; 3 lbs., \$1.00. By freight or express, bags included, qt., 20c; peck, 65c; bush., \$1.75; bag of 2 bush., \$3.25; 10 bush. and over, \$1.50 per bush.

FARMER'S FAVORITE GOLDEN DENT CORN.

This is an improved variety of the Golden Dent Gourd Seed, which it resembles in some respects, ripening earlier, frequently maturing in one hundred days from time of planting. The ears are of good size, with very small cob and very large, deep grains, of a beautiful, bright golden yellow color. The corn meal made from this corn is very superior in quality and appearance, yielding from ninety to one hundred bushels shelled corn to the acre, with ordinary cultivation. **Lb., post-paid, 35c; qt., 20c; peck, 60c; bush., \$1.75; bag of 2 bush., \$3.25; 10 bush. and over, \$1.50 per bush.**



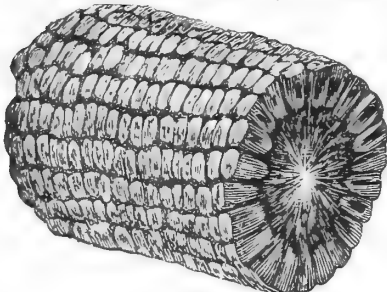
ance. It produces well, even on light land, frequently yielding from ninety to one hundred bushels shelled corn to the acre, with ordinary cultivation. **Lb., post-paid, 35c; qt., 20c; peck, 60c; bush., \$1.75; bag of 2 bush., \$3.25; 10 bush. and over, \$1.50 per bush.**



✦ HICKORY KING CORN. ✦

We introduced this very valuable and reliable new white field corn to the public for the first time two years since. It has given the greatest satisfaction in all sections of the country and we are daily receiving many testimonials praising its many excellent qualities. It is unquestionably the largest grained and smallest cobbled pure white Dent corn in the world. The grain is so large and cob so small, that by breaking an ear in half, one grain will cover the entire end of the cob, as shown in the above cut. The ears grow seven to nine inches in length, are generally borne three to a stalk, thus making it enormously productive. It ripens medium early, yet we do not recommend it as an entirely safe crop north of the latitude of Pennsylvania. It is particularly adapted to and will yield more on thin soil than any other known variety of Field Corn, and if planted on good soil, will bear much closer planting than other varieties. It is undoubtedly the most promising White Field Corn ever introduced. We sell this corn on the ear to those wishing it that way, so that you may see it is just exactly as we represent it. Prices, by mail, postage paid, sample ear, 20c.; large pkt., shelled, 10c.; lb., 40c.; 3 lbs., \$1.00. By freight or express, ear, 10c.; qt., 25c.; peck, 75c.; bush., \$2.40; bag of 2 bush., \$4.50.

CLOUD'S EARLY YELLOW DENT CORN. This



corn, originated by Jas. Cloud, a prominent Chester County farmer, has fairly leaped into popularity the past two years. It has taken first premiums wherever it has been exhibited. Some of its good points, which will recom-

mend it to growers, are its fine, rich appearance, weighs well, starts early and with a strong stalk as soon as it comes out of the ground; grows vigorously, though the stalks only range from seven to ten feet in height. It withstands severe droughts to a remarkable degree. Ears, set low, are of large size, well filled, very deep grained; sixty to seventy ears will yield a bushel of shelled corn. Matures early, and with ordinary cultivation will yield from ten to twenty bushels more than any ordinary variety. 1b., 35c.; 3 lbs., \$1.00, post-paid; qt., 20c.; peck, 75c.; bush., \$2.00; bag of 2 bush., \$3.75; 5 bush. and over, \$1.75 per bush., bags included.

PREMIUM CHESTER COUNTY MAMMOTH CORN.

—Wherever introduced has given universal satisfaction, both on account of its large yields, fine quality of grain, and superior fodder. The ears are large and well formed, grain very large, deep, and of a bright yellow color; the stalk is large, averaging from ten to fourteen feet, producing a larger quantity of fodder than any other yellow corn. Our stock has been improved each year by the most careful and skillful selection of the largest, best formed, and earliest ears. It will pay you to plant it, as the increased yield will pay the cost of seed many times over. By mail, post-paid, pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. By freight or express, bags included, qt., 20c.; peck, 60c.; bush., \$1.75; bag of 2 bush., \$3.25; 10 bush. and over, \$1.50 per bush.



NEW BRAZILIAN FLOUR CORN

BRAZILIAN FLOUR CORN. A rare variety of Indian Corn, with a white, floury grain, yielding when ground a flour equal in every way to the best wheat flour, and making the best bread, cakes, etc. It grows rapidly, ripens medium early, maturing as far North as the latitude of Philadelphia; ears seven to nine inches long, a small cob and deep grain. This corn stools from the ground like wheat, six to ten stalks from a grain, bearing as many ears to a stalk, making it wonderfully productive, yielding generally over one hundred bushels to the acre. The product of an acre ground into flour would be at least five times that of wheat. It should be cultivated same as other field corn. For boiling or roasting it is equal to the best varieties of sugar corn, being very rich, sweet and juicy in a green state. It has given universal satisfaction wherever grown. By mail, post-paid, pkt., 10c.; lb., 40c.; 3 lbs., \$1.00. By freight or express, qt., 25c.; peck, 90c.; bush., \$3.00.

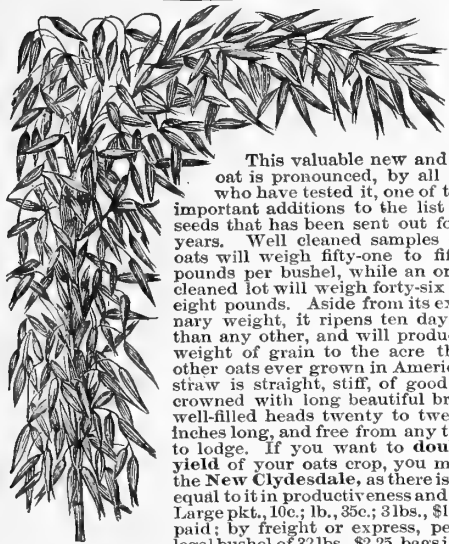
GOLDEN BEAUTY FIELD CORN. This new variety, which we introduced five years since, is the largest grained of all yellow corn. The ears are of perfect shape, with from ten to fourteen straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. The cob is very small in comparison with the size of the ear, and when broken in half the grains will reach across. The richness of color and fine quality of grain makes it vastly superior for grinding into meal. The stalks take strong hold in the ground, grow vigorously to a height of eight to nine feet. Golden Beauty matures early, ripening in one hundred to one hundred and ten days from planting. We have many favorable reports from customers who planted this corn, yielding in many cases at the rate of one hundred and twenty-five bushels to the acre. Prices by mail, post-paid, large pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. By freight or express, qt., 20c.; peck, 65c.; bush., \$1.75; bag of 2 bush., \$3.25; 10 bush. and over, \$1.60 per bush., bags included.

BLUNT'S WHITE PROLIFIC, or MAMMOTH ENSILAGE CORN. Produces, on medium good land, one hundred bushels to the acre, growing from three to eight good ears to a stalk. It is also much used for ensilage, and has been known to produce seventy tons of fodder to the acre. Peck, 50c.; bush., \$1.60; 10 bush. and over, \$1.40 per bush.

LONGFELLOWS' AND EARLY YELLOW CANADA. These well-known eight rowed yellow flint varieties ripen very early, and are well adapted to the North, and for late replanting. Qt., 20c.; peck, 75c.; bush., \$2.25; bag of 2 bush., \$4.00.

SUGAR CORN FOR GREEN FODDER. Profitable as green feed for milch cows from the fact that it is sweeter and more nutritious and eaten more readily than fodder from Field Corn. Bush., \$2.00; 5 bush. and over, \$1.75 per bush.

New Clydesdale Oats.



This valuable new and distinct oat is pronounced, by all growers who have tested it, one of the most important additions to the list of farm seeds that has been sent out for many years. Well cleaned samples of these oats will weigh fifty-one to fifty-three pounds per bushel, while an ordinarily cleaned lot will weigh forty-six to forty-eight pounds. Aside from its extraordinary weight, it ripens ten days earlier than any other, and will produce more weight of grain to the acre than any other oats ever grown in America. The straw is straight, stiff, of good height, crowned with long beautiful branching well-filled heads twenty to twenty-four inches long, and free from any tendency to lodge. If you want to double the yield of your oats crop, you must sow the New Clydesdale, as there is nothing equal to it in productiveness and quality. Large pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, post-paid; by freight or express, peck, 75c.; legal bushel of 32 lbs., \$2.25, bags included.

PRINGLE'S PROGRESS OATS. This new variety of oats was made by Mr. Pringle, of Vermont, a few years ago, by crossing the *Excelsior* with the *Chinese Hullless*. In it we have a short stiff straw, and a long full head, averaging as large as the largest of the taller varieties, well filled, and only two-thirds as much straw. We believe if the farmer prefers grain to straw, the *Progress* will suit every time. By mail, post-paid, pkt 10c.; lb., 35c.; 3 lbs., \$1.00. By freight or express, peck, 60c.; bush., \$2.00.

WIDE-AWAKE OATS. This new variety was first brought here four years since by some Swedish emigrants, who esteemed them as the best oats grown in their country. The grains are very handsome, plump and heavy, having large meat and thin husk. The Wide-Awake Oats have produced one hundred and fifty-six bushels and twenty-six pounds from one hundred pounds of seed grown as a field crop. The straw is very long and stiff, free from rust, has long branching heads, filled with good, plump oats weighing thirty-eight pounds per bushel. By mail, post-paid, pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. By freight or express, peck, 60c.; bush., \$1.50.

WELCOME OATS. This oat has given great satisfaction everywhere, succeeding in a wide range of climate, and on a great variety of soil. Very productive and weighs from forty-eight to fifty pounds per measured bushel. The grain is very large, handsome, plump and full, with thin, white, close-fitting husk. They stool heavily. Extra strong, straight straw, five to six feet in height. By mail, post-paid, large pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. By express or freight, peck, 40c.; legal bush. (32 lbs.), \$1.25; 10 bush. and over, \$1.10 per bush., bags included.

American Triumph, White Belgian, White Russian, Washington, Challenge, White Probstier, Surprise, Excelsior, Canadian, Winter Oats, and other popular varieties of seed oats, at bottom prices. Each, 35c. lb., or 3 lbs. for \$1.00, by mail, post-paid. By freight or express, bags included, per legal bush. (32 lbs.), \$1.15; 10 bush. and over, \$1.00 per bush.

SPRING WHEAT.

FRENCH IMPERIAL. This wheat has proven itself a most desirable variety. It possesses in a greater degree, than almost any other kind, the quality of filling out plump, hard, extra No. 1 wheat, weighing sixty-two to sixty-four pounds per measured bushel. It is well adapted to rather poor soils, producing good crops of No. 1 hard wheat. The kernel is very hard and plump, and of excellent milling quality. The wheat is vigorous and strong in its growth, and yielded the past season from forty to fifty bushels per acre. By mail, pkt., 10c.; lb., 35c.; 3 lbs., \$1.00. Express or freight, peck, 85c.; bush., \$2.75.

SASKATCHEWAN FIFE. This new wheat comes originally from Manitoba, and is pronounced by the great milling kings of the Northwest the best milling wheat they have ever ground. It frequently weighs sixty-five pounds to the bushel, and it is said fifty bushels to the acre is not an uncommon yield. It is ten days earlier than the common Fife, straw growing about a foot taller, standing stiff and strong; highly recommended. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, post-paid. Peck, 85c.; bush., \$2.75.

SPRING RYE.

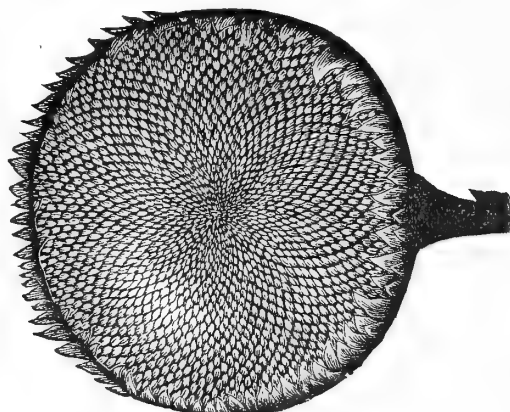
Distinct from the winter rye, grain of finer quality and more productive; can be successfully grown in any latitude. Lb., 35c.; 3 lbs., \$1.00, post-paid; peck, 65c.; bush., \$2.00.



NEW JAPANESE BUCKWHEAT. In 1883 a gentleman travelling in Japan, sent to a friend in New Jersey, about a thimbleful of this new variety. It was carefully planted, and enough seed raised to sow one-half bushel in 1886, from which the crop was forty bushels. A few bushels of this was given out for trial among neighboring farmers, who were delighted with the enormous yields it produced. Sown at the same time with Silver-Hull, it proved two weeks earlier and yielded twice as great. The kernels are twice the size of any other buckwheat, as shown in our illustration above; of a rich dark brown color and manufacture a superior flour. Owing to its branching character only one-half as much seed is required per acre, while the straw is much stiffer and stands up better. This new buckwheat must in time displace all others. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, post-paid; qt., 20c.; peck, 75c.; bush., \$2.40, by freight or express.

SILVER-HULL BUCKWHEAT. Sown at the same time as the common buckwheat, this variety continues in bloom longer, matures earlier, and yields nearly double. The flour produced from it is whiter and more nutritious. Lb., post-paid, 25c.; qt., 20c.; peck, 50c.; bush, \$1.50.

COMMON BUCKWHEAT. Qt., 15c.; bush., 43 lbs., \$1.25.



MAMMOTH RUSSIAN SUNFLOWER.

MAMMOTH RUSSIAN SUNFLOWER.

THE GIANT-OF-ALL SUNFLOWERS. Growing to double the size of the common sunflower, and the yield of seed is twice as great. One hundred and twenty-five bushels to the acre have been grown at a less expense than corn. It is highly recommended for poultry; the best egg-producing food known. The leaves make splendid fodder, much relished by all kinds of stock. The seed is good feed for horses, and yields a fine quality of oil. The strong thick stalks are used for fuel. In fact there is no waste whatever in any of its product. Pkt., 5c.; qt., 25c.; qt., post-paid, 40c.; peck, \$1.00; bush., \$3.50.



KAFFIR CORN, THE GREAT FORAGE AND GRAIN PLANT

We were the first Northern seedsmen to offer and introduce two years since this valuable new and distinct variety of sorghum, which is now successfully cultivated for both forage and grain, in all sections of the United States. Our customers everywhere are enthusiastic in its praise. It was first brought to our notice by the Georgia State Department of Agriculture, and in the hands of Dr. J. H. Watkins, of Campbell County, Ga., it has been preserved, and fully developed. Our illustration above was made from a photograph taken in our field growing for seed. It is the best general purpose plant of all the varieties of sorghum yet offered, and the shoots that then follow will mature a full crop of seed and forage. Both grain and fodder are excellent, the whole stalk tender to the full maturity of seed. It grows not over five to six feet on best land, is easily managed, bears as many blades as a stalk of Millo, or corn that is twice as tall, foliage wide, thick, cures into the best of fodder. A boy can cut the heads. It does not stool at all at the bottom, but grows stocky and strong and branches at the top two to four heads to each stalk. If cut down for forage, the shoots again spring from the ground. It can be put thick, bears mowing in the rows. There is no failure about it, as it possesses the quality that all the tribe possess of waiting for rain without any loss of capacity to yield. The grain is nearer to wheat than any other sort. It makes a flour that is like wheat, makes up like it, and tastes like it, except being a little sweeter and well adapted to human food. It can be cultivated the same as our common Indian Corn, requiring four to five pounds of seed per acre. By mail, postage paid, pkt., 10c.; lb., 40c. By freight or express, lb., 30c.; 5 lbs., \$1.25; peck (15 lbs.), \$3.50; bush. (60 lbs.), \$12.00.

TEOSINTE (REANA LUXURIANS). This gigantic Graminea of Central America somewhat resembles Indian Corn. It produces a great number of shoots, growing twelve feet high, very thickly covered with leaves, yielding an abundance of forage. In the North a single seed will make from twelve to sixteen stalks. It surpasses either corn or sorghum as a soiling or fodder plant. Planted three feet apart, it will cover the ground by autumn with only ordinary culture. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.40.

MILLO MAIZE, or DHOURA. A new grain, of South American origin, which we have distributed largely the past four seasons. Our customers are highly pleased with it, and pronounce it a valuable acquisition, both for a grain and forage crop. It can be cut repeatedly for green feed, or for fodder. It stools or branches freely; the mass of foliage it produces is enormous, and it stands dry weather well. Plant in April, in rows three by four feet apart, five to eight seed in a hill, requiring two pounds to the acre, and cultivate as corn. Post-paid, lb., 40c.; 3 lbs., \$1.00. By express or freight, lb., 25c.; 10 lbs., \$2.25.

SUGAR CANE—EARLY AMBER. This is by far the best variety for sugar, as it matures quickly, and has been cultivated as far North as St. Paul, Minn. The seed is valuable also as food for horses and cattle, and is greedily eaten by poultry, increasing the egg production. For ensilage or fodder, it possesses important advantages. By mail, post-paid, lb., 25c.; 3 lbs., \$1.00. By express or freight, qt., 20c.; bush. of 56 lbs., \$2.50; 10 bush. or over, \$2.25 per bush.

Soja Hispida (Soja Bean). Pkt., 10c.; lb., 50c.

Thousand-Headed Cabbage, or Kale. Oz., 10c.; lb., 60c.; 5 lbs. and over, 50c. per lb.

Flaxseed. Qt., 15c.; bush., 56 lbs., about \$2.50.

Gsage Orange. Lb., 50c.; peck, \$2.00; bush. of 33 lbs., \$7.00.

Manshury Barley. The earliest and most productive. Qt., 20c.; peck, 60c.; bush., \$2.00.

Spring Barley. Qt., 15c.; peck, 50c.; bush., 48 lbs., \$1.50.

Spring Tares, or Vetches. Qt., 30c.; bush., \$3.50.

BROOM CORN.

WEBER'S IMPROVED EVERGREEN. This strain of Evergreen Broom Corn is the best and purest in cultivation, originated and selected by Mr. Geo. Weber, one of the largest growers of Montgomery County, Pa., who has for many years had the reputation of having the best in the state, having made his stock famous by selection and improvement for length, strength and straightness of brush. It is of a very bright green color, without the slightest reddish tinge, height seven to eight feet. Qt., 30c.; peck, \$1.00; bush., \$3.50.

Dwarf Evergreen. Grows three to four feet high, straight, smooth brush. Qt., 20c.; peck, 90c.; bush., \$3.00.

TOBACCO SEED.



PERSIAN ROSE MUSKATEL. We have imported this new variety from Hungary, where it is regarded as the very best. It possesses a delicious Turkish or Rose perfume. Leaves are of medium size and regular shape. Pkt., 10c.; 3 pkts., 25c.; oz., 40c.

GENERAL GRANT. The earliest tobacco in cultivation; produces immense foliage, of fine texture, small veined and very elastic. Pkt., 10c.; oz., 30c.; lb., \$3.00.

CONNECTICUT SEED LEAF. Saved from selected plants. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

HAVANA. Imported seed.

ROSE MUSKATEL TOBACCO. Pkt., 10c.; oz., 50c.; lb., \$5.00.

Cuban Seed Leaf. Pkt., 10c.; oz., 25c.; lb., \$2.50.

Pennsylvania or Lancaster (Broad Leaf), Maryland and Virginia (Broad Leaf), Yellow Oronoko, Gold Leaf, Hester, White Burley, Gooch, Medley Pryor, each, pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



Our grass and clover seeds are extra cleaned and of the highest quality. We take great care to have them absolutely free from all noxious weed seeds.

Our special Grass Seed Circular, giving full descriptions and illustrations of all varieties, will be mailed to all who ask for it.

POSTAGE ON GRASS SEEDS.

Remit, in addition to price, 8c. per lb., and 15c. per qt., except on light varieties, which do not weigh over 14 lbs. per bush., on which remit 5c. per qt. additional, to prepay postage.

VARIETIES OF CLOVER.



ALFALFA CLOVER.

LUCERNE, or ALFALFA CLOVER. The increasing demand for this valuable forage plant from all sections of our country has induced us to give a few brief hints for its culture. Lucerne, or Alfalfa Clover, is a perennial plant, and when once properly seeded in suitable soil, will produce fine crops for several years. It has a remarkably strong growth, occasioned by its roots penetrating the ground to a great depth, ten to twenty feet, until they are altogether out of reach of drought; and in the very driest and most sultry weather, when every blade of grass droops for want of moisture, Lucerne appears in luxuriant growth. Its cultivation is simple, requiring no more care and attention than a crop of the ordinary red clover, excepting the first year in preparing the soil and seeding; the ground should be thoroughly mellowed and prepared by clean and careful tillage, the seed sown with any grain crop in the spring, or as a separate crop, at the rate of ten to twelve pounds per acre, and the second year it will become thoroughly established. It delights in deep, loamy soil, with a sand or gravel sub-soil. The proper time to cut it for either hay or feeding green is just before coming into bloom, as it is then in its perfection and makes a very delicate and desirable feed, being relished by all kinds of stock. Lb., 40c.; 10 lbs., \$3.50; 25 lbs. and over, 30c. per lb.

ALSIKE, SWEDISH or HYBRID CLOVER. Very hardy, resists extremes of drouth and wet, yields large crops of superior pasturage, much liked by cattle. It is well suited to sowing on lands liable to wash, as its long, fibrous roots spread over a wide area and so interlace and hold the soil as to resist the heaviest rains. Can be planted on any soil. Blossom heads round, resembling White Clover in shape, flesh colored, sweet and fragrant, much liked by bees. Sow six pounds per acre in spring or fall. Lb., 30c.; 25 lbs. and over, 25c. per lb.

Crimson, or Carnation Clover. The most attractive of the clovers by its bright scarlet flowers, giving a desirable succession of green food. Lb., 40c.; 10 lbs., \$3.00.

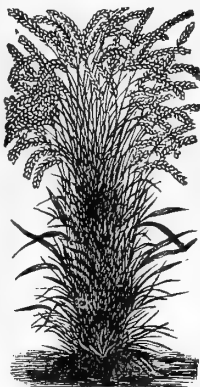
White Dutch Clover. The best to sow with lawn grass and valuable in permanent pastures. Oz., 5c.; lb., 40c.; 25 lbs. and over 30c. per lb.

Clover, Common Red. Variable. Lowest market prices.

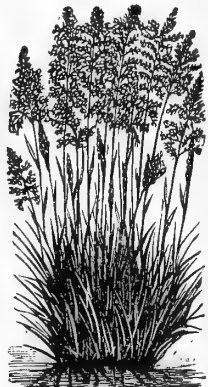
Pea Vine, or Sapling Clover. Lowest market prices.

Japan Clover. Lb., 50c.; 10 lbs., \$4.00.

VARIETIES OF GRASSES.



CANADIAN BLUE GRASS.



KENTUCKY BLUE GRASS.

CANADIAN BLUE GRASS (*Poa Compressa*). The hardest grass in cultivation should not be confounded with the Kentucky Blue Grass. Canadian Blue Grass shoots its leaves very early, the amount of foliage is not very large, but it possesses a large per cent of nutritive matter. All grazing animals eat it greedily; cows fed on it produce a very rich milk and fine flavored butter, and it is especially relished by sheep. Its bluish-green stems retain their color after the seed is ripe. It shrinks less in drying than most other grasses, and consequently makes a hay very heavy in proportion to its bulk. It is an excellent grass for dry, sandy, thin soils and banks, and for covering the surface of rocky soils, along trodden walks, gravelly knolls and upon all soils that are affected seriously by long continued droughts. Qt., 25c.; bush., 14 lbs., \$2.50.

KENTUCKY BLUE GRASS (Fancy, triple cleaned). Valuable for pasture when mixed with other varieties; thrives best in a dry soil, retaining its verdure in the hottest weather. Qt., 15c.; bush., 14 lbs., \$1.40; 5 bush. and over, \$1.25 per bush.

JOHNSON GRASS. This is one of the most valuable forage plants, already very popular in the Southern States, and will come into universal use in all parts of the United States when known. It is perennial, a rapid grower, very nutritious, being eagerly devoured by all kinds of stock. Comes early in spring, grows until the frost cuts it down in the fall, stands the drought better than any grass, having long, cane-like roots, which penetrate the soil for moisture; superior both as a grazing and hay grass. One bushel will sow an acre. Qt., 30c.; bush., 25 lbs., \$3.00.

ORCHARD GRASS. One of the most desirable pasture grasses, for stock and for shady places. Qt., 20c.; bush., 12 lbs., about \$2.00.

Timothy. Qt., 20c.; bush., 45 lbs., about \$3.00.

HERD, or RED TOP GRASS. A valuable native permanent grass, as a mixture in meadows or pastures, growing in almost any soil, moist or dry. Qt., 10c.; bush., 10 lbs., \$1.00; in sacks of 50 lbs., about \$3.50.

East India, or Pearl Millet. Cultivated for fodder. Lb., 30c.; 10 lbs. and over, 25c. per lb.

Sweet Vernal Grass. Useful to mix with other grasses for pastures or lawns, on account of its early growth, and emitting an agreeable odor when cut for hay. Lb., 50c.; bush., 10 lbs., \$4.00.

Hungarian Millet Grass. One of the most valuable annual soiling and forage plants, growing in any ordinary soil. Qt., 10c.; bush., 48 lbs., about \$1.50.

German, or Golden Millet Grass. Will grow in almost any climate or soil; the yield in hay or seed is larger than any other variety. Qt., 10c.; bush., 50 lbs., about \$1.75.

Common Millet Grass. Qt., 10c.; bush., 50 lbs., about \$1.50.

Tall Meadow Oat Grass. A valuable grass for permanent pasture, on account of its early, luxuriant growth and abundant supply, which is relished by cattle, early and late. Makes splendid hay. Qt., 20c.; bush., 13 lbs., \$3.00.

English Rye Grass. A nutritious, permanent grass, for meadows and pastures, also for mixing with other grasses. Qt., 20c.; bush., 24 lbs., \$2.50.

Wood Meadow Grass. Adapted for pleasure grounds, under trees, where few other grasses can exist; forms a fine sward; fine for pastures under close feeding. Sow twenty-eight pounds to acre. Lb., 40c.; bush. of 14 lbs., \$5.00.

Meadow Foxtail, Crested Dogtail, Fine-Leaved Fescue, Water Meadow, Rough-Stalked Meadow, Water Fescue, or Manna Grass, each, per lb., 45c.; 10 lbs. and over, 40c. per lb.

Rhode Island Bent, Meadow Brome, Tufted Hair, Creeping Bent, Wood Hair, Hard Fescue, Sheep Fescue, Meadow Fescue, Meadow Soft, each, per lb., 35c.; 10 lbs. and over, 30c. per lb.

Johnson & Stokes' New Evergreen Lawn Grass Seed.



It has become a well recognized fact that a beautiful lawn produces more real, grand, cheerful and refined effect, around either mansion or cottage, than anything else that the art of man has been able to produce, and has become an indispensable adjunct to every city, suburban or rural home.

We have been experimenting several years with a number of rare and fine grasses, of both foreign and native sorts, with a view of ascertaining whether we could not find some varieties that would insure a beautiful dwarf, green, compact sward, and remain green and fresh during our hot, dry summer months, and especially when sown on Lawns, Tennis, Croquet and Ball Grounds in constant use. By selecting and combining those sorts that withstood the severest of tests we have produced our

EVERGREEN LAWN MIXTURE.

We are confident that our new mixture will do all that we claim for it, and we warrant it entirely distinct and unsurpassed by any similar mixture of grasses that will insure a beautiful dwarf, green, compact sward. For these very desirable qualities our Evergreen Lawn Mixture has become widely known, and exclusively used on the finest public and private grounds around Philadelphia, New York and other cities.

Prices, New Evergreen Lawn Mixture, qt., 25c.; 2 qts., 40c. (qt., post-paid, 30c.); peck, \$1.00; bush, 16 lbs., \$4.00.

A quart will sow about 300 square feet. Three to four bushels are required to sow an acre. Instructions how to prepare and sow a lawn are printed on each package.

OUR FAIRMOUNT PARK LAWN MIXTURE. This celebrated mixture, as supplied by us to Fairmount Park (the largest in the world), is composed of fine grasses, but less expensive than those used in our Evergreen Mixture, in proper proportions to produce a beautiful lawn, of a neat appearance and fine compact growth. Prices: qt., 20c.; 2 qts., 35c.; qt., post-paid, 25c.; peck, 75c.; bush., 14 lbs., \$3.00.

Special Mixtures for Permanent Pasture and Mowing Lands.

It is difficult to overestimate the importance to the farmer of a good selection and proper mixture of grass seeds for the various purposes of cultivation, for mowing, for soiling, for permanent pasturage, or for an alternate crop. Doubtless the variety of seeds usually sown in this country consist almost exclusively of Timothy, Red Top and Red Clover, and although they may be the best for certain purposes and their exclusive use sanctioned in a measure by the experience of our best farmers, yet it would seem very strange, indeed, if the vast family of grass plants, which include nearly one-sixth of the whole vegetable kingdom, could furnish no more than two or three truly valuable species.

Any soil will yield a larger and more nutritious crop if sown with several kinds of nutritious grasses than when sown with only one or two species. Indeed, it is a fact well established by careful experiment, that a mixture of only two or three species of grasses and clover will produce a larger amount of hay per acre than where only one species was grown.

In sowing a mixture of several different species, we do but follow nature, who, after all, will generally be found to be the best teacher; for wherever we cast our eyes over an old, rich, permanent pasture, we ordinarily see from fifteen to twenty species of grass or forage plants growing in social profusion. If the soil be very poor, as a cold, hard clay, or a barren sand, perhaps two or three varieties will suffice; but on good soils a larger number will be found to be far more profitable.

For a permanent pasture mixture it is highly important to bear in mind that such species should be selected as blossom at different periods in order to secure as far as possible a luxuriant growth through the season, and some grasses may be used which are valuable mainly for their early growth, with less regard to their nutritive value than in mixtures for field culture.

For such an object in view we recommend our **No. 1 MIXTURE FOR PERMANENT PASTURE.** A mixture is sometimes wanted for pastures that are much shaded with trees, and in such cases those species should be selected that do well in such situations, blossom at different seasons, so as to give a succession of forage, and possess, at the same time, the requisite amount of nutritive elements. For such an object in view we would recommend our **No. 2 MIXTURE FOR PERMANENT PASTURE.**

Where it is desirable to prepare a field for permanent haying purposes, we recommend our **No. 3 MIXTURE FOR PERMANENT MOWING.** Either of the above mixtures can be sown in spring or fall.

We give below a synopsis of the several varieties of grasses that enter into our three mixtures. The proportion of seed of each variety used in our mixtures, is such as our long experience and careful observation has proven to be the best adapted to the object in view.

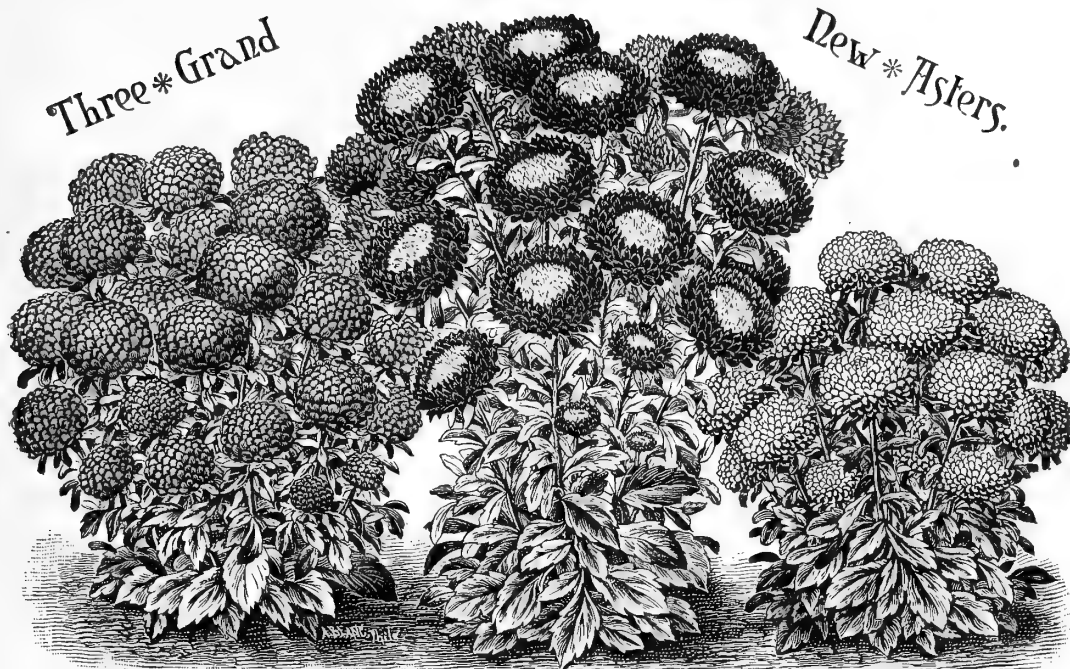
JOHNSON & STOKES' No. 1 MIXTURE FOR PERMANENT PASTURE. Per bushel \$3.00. Contains, blended in proper proportion for the purpose in view, the following Grasses: Orchard Grass, Hard Fescue, Tall Fescue, Meadow Fescue, Red Top, Fancy Cleaned Kentucky Blue, Italian Rye Grass, Perennial Rye Grass, Timothy, Wood Meadow Grass, Rough-Stalked Meadow Grass, Yellow Oat Grass, Perennial Clover, White Clover.

JOHNSON & STOKES' No. 2 MIXTURE FOR PERMANENT PASTURE. Per bushel, \$3.00. Contains, properly blended: June Grass, Orchard Grass, Sweet Vernal Grass, Hard Fescue, Tall Fescue, Timothy, Canadian Blue Grass, Wood Meadow Grass, Rough Stalked Meadow, Meadow Foxtail, Red Clover, White Clover.

JOHNSON & STOKES' No. 3 MIXTURE FOR PERMANENT MOWING. Per bushel, \$3.00. Contains, properly blended: Red Top, Italian Rye Grass, Perennial Rye Grass, Orchard Grass, Timothy, Red Clover, White Clover, Fine-Leaved Fescue, Rhode Island Bent Grass, Rough-Stalked Meadow, Meadow Fescue, Meadow Foxtail, Meadow Soft.

Novelties and Choice

Specialties in Flower*Seeds.



Triumph.—Pkt., 20c.

Regal.—Pkt., 20c.

Sunbeam.—Pkt., 20c.

327. **DEEP SCARLET TRIUMPH ASTER.** One of the most beautiful and perfect of all dwarf asters ever introduced. Flowers measure two and one-half to three inches across, giving to the plant, as they hang to one side, a very graceful appearance (see cut). Price, pkt., 20c.

328. **REGAL ASTER.** This is, as its name implies, a truly regal plant, growing fifteen to eighteen inches high, strong, vigorous and erect. Covered with bloom of the largest size; pure white centre, shading out to a beautiful indigo. No collection complete without it. Price, pkt., 20c.

329. **THE LITTLE "SUNBEAM" ASTER,** of the half dwarf type of the very purest white. Not a spot or blemish on them. Price, pkt., 20c.

ONE PACKET EACH OF THE ABOVE THREE GRAND ASTERS FOR 50 CENTS.



NEW CAMPANULA "CUP AND SAUCER."

604. The "Cup and Saucer" Campanulas are a very striking and beautiful variety of "Canterbury-Bells." The flowers are large and resemble a cup and saucer. Colors are mixed blue, rose, lilac and white. Price, pkt., 15c.



COSMUS HYBRIDUS.

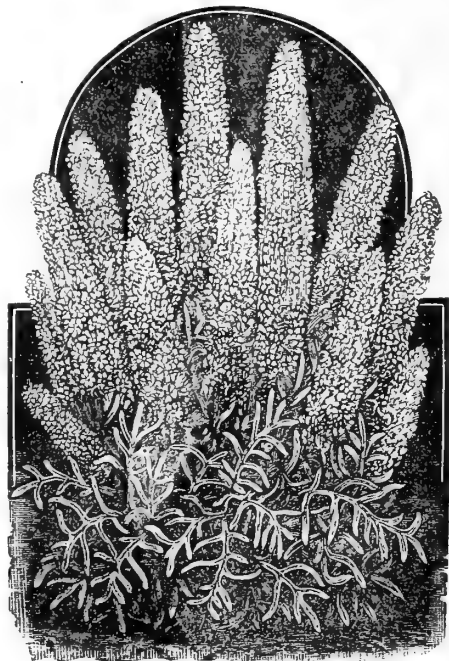
930. **COSMUS HYBRIDUS.** A fine autumn flowering plant. It flowers profusely in loose clusters and presents a charming appearance. Blooms in August, and continues till long after frost. Price, pkt., 20c.



No. 386. This is the most magnificent strain of perfectly Double Balsams ever introduced. The flowers are wonderfully large size and perfect shape, of exquisite shades of pure white, white shaded with pale lemon, cream white, salmon, rose, rich crimson, deep pink, violet, bright purple, and a great variety of superbly mottled varieties. Price, pkt., 25 cents.



No. 645. **NEW DWARF LARGE FLOWERING FRENCH CANNAS.** This entirely new and distinct class of cannas is introduced by a Monsieur Crozy, of France, who has given much attention to the improvement of this magnificent plant. They only grow about three feet in height, but their value lies in the very large and handsome spike of brilliant flowers, far excelling the Gladiolus in brilliancy and fine effect. In color they run through all the shades of orange, crimson, yellow, striped, scarlet and vermilion. Seed sown early in the house or conservatory will produce flowering plants by middle summer. Price, pkt., 15c; 8 pkts., \$1.00.



GIANT WHITE SPIRAL MIGNONETTE.

Giant White Spiral Mignonette.

No. 2027. This grand mignonette grows two to three feet high, perfectly erect, and the flower spikes of wonderful size and snowy whiteness. Its fragrance is rich and powerful, and will produce much more bloom than any other variety. Seed may be sown in April or May and it will commence blooming in June. The illustration shows the beauty of the foliage and bloom. Price, pkt., 15c.



SWEET PEAS.

Our Challenge Collection.

	Per Pkt.
2707. Adonis. Bright rosy,	10
2702. Butterfly. Pure white, laced with lavender blue,	10
2708. Lady Bird. New beautiful blue,	10
2709. Princess Beatrice. Rich carmine rose, slightly shaded,	10
2710. Painted Lady. Pink and white,	10
2711. Queen of the Isles. Very beautiful,	10
2712. Robin-Redbreast. Striking,	10
2713. Striped Charmer. A beauty,	10
2700. Vesuvius. Very large spotted,	10
2714. Orange Prince. Orange pink, flushed scarlet,	10
2715. Collection of the above 10 varieties,	50
2716. Challenge Collection. Mixed. Per oz., 75c.,	10

No. 2367. NEW FRINGED PHLOX, "STAR OF QUEDLINBURG." This novelty is quite distinct from anything ever before offered in the Phlox family. Its marked feature is that the centre of each petal juts out very prominently, as shown in the illustration, giving the flower a very beautiful **star-like** appearance. They are of a beautiful violet color, each petal shaded out to a white margin. It is one of the most distinct and beautiful floral novelties offered. The plant grows about eighteen inches tall and flowers profusely. Price, pkt., 25c.; 5 pkts., \$1.00.

No. 2368. PHLOX DRUMMONDII, STRIPED BEAUTY. (*Nana Compacta Striata.*) A fitting companion to the above is this new variety of the Dwarf Phlox, with flowers of a rich vermilion, **regularly striped** with white. It is equally as robust in growth as the unicolored varieties. Price, pkt., 25c.; 5 pkts., \$1.00.



NEW FRINGED PHLOX, "STAR OF QUEDLINBURG."



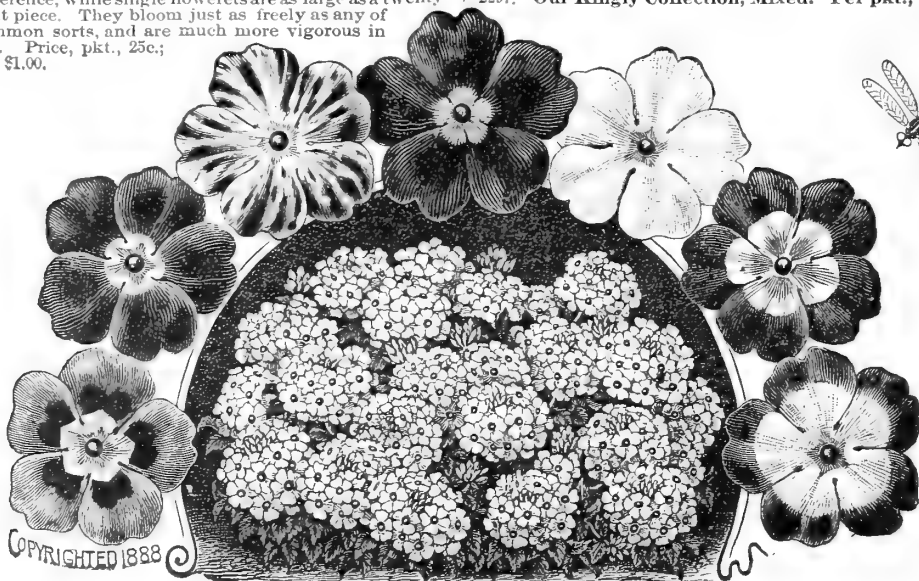
KINGLY PANSIES.

Our "Crowned" Collection.

No finer collection ever offered, each variety of an unsurpassed type for size, color and beauty of marking.

	Per pkt.
2290. King of the Bronzes,	\$0 20
2291. King of the Striped,	20
2292. King of the Blotched,	20
2293. King of the Stained,	20
2286. King of the Blacks,	20
2295. King of the Pure Whites,	20
2296. Our Six Kings,	\$1.00
2297. Our Kingly Collection, Mixed. Per pkt.,	20c.

2823. **NEW MAMMOTH VERBENAS.** This new race of Verbenas are justly celebrated for their exceptionally large flowers. Well-grown heads are frequently over nine inches in circumference, while single flowerets are as large as a twenty-five-cent piece. They bloom just as freely as any of the common sorts, and are much more vigorous in growth. Price, pkt., 25c.; 5 pkts., \$1.00.



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NEW MAMMOTH VERBENAS. Pkt., 25c.; 5 pkts., \$1.00.

General List of Flower Seeds.



All flower seeds are sent free by mail on receipt of price. Full cultural directions will be found on each packet.

Numbers. To save our customers the trouble of writing out names, we have attached a number to each variety, therefore, please order by the numbers.

Premiums. In ordering Flower and Vegetable Seeds in packets, purchasers sending \$1.00 may select packets to the amount of \$1.25. Those sending \$2.00, to the amount of \$2.50. Those sending \$3.00, to the amount of \$3.75, and so on.

Flower Seed by Weight. For the convenience of florists and amateurs who have occasion to use larger quantities than packets usually contain, we have affixed our price by the ounce to most varieties, subject to the following rules:

Varieties quoted from 10 to 50c. per oz., no less quantity than 1 oz. will be sold at ounce prices.

Varieties quoted from 50 to \$1.00 per oz., no less quantity than ½ oz. will be sold at ounce prices.

Varieties quoted from \$1.00 to \$2.00 per oz., no less quantity than ¼ oz. will be sold at ounce prices.

Varieties quoted from \$2.00 and upwards per oz., no less quantity than ⅓ oz. will be sold at ounce prices.

ABROBRA.

A rapid growing and climbing gourd, with beautiful dark green foliage and bright scarlet fruit; half-hardy perennial.

20. **A. Viridiflora.** Flowers fragrant and of a pale green color; 10 ft. Pkt., 10c.

ABRONIA.

A beautiful trailing plant from California, producing clusters of sweet-scented Verbena-like flowers, remaining in bloom a long time; very pretty for beds, rock work or hanging baskets; half-hardy annual.

40. **A. Umbellata.** Rosy lilac; the most showy sort; ½ ft. Pkt., 5c.

ACROCLINUM.

Elegant summer flowering plants for beds, etc., also a good everlasting for winter bouquets; half-hardy annual.

50. **A. Choice Mixed.** 5c.

ADLUMIA.

(Mountain Fringe, or Allegheny Vine.)

A pretty climber, with pale green foliage, of very graceful habit; hardy biennial.

60. **A. Cirrhosa.** Small, flesh-white flowers; 15 ft. Pkt., 10c.

ADONIS.

Very showy and popular border flower, remaining in bloom a long time; hardy annual.

80. **A. Æstivalis.** (Flos Adonis.) Fine scarlet; 1 ft. Oz., 20c.; pkt., 5c.

81. **A. Autumnalis.** (Pheasant's Eye.) Pkt., 5c.

AGERATUM.

This plant is a continual bloomer from early summer until the ensuing spring, and highly prized as a pot and bedding plant; half-hardy annual.

100. **A. Mexicanum Nanum.** Lilac-blue; 1½ ft. Oz., 25c.; pkt., 5c.

101. **A. Lasseauxii.** Beautiful rose color. A perennial, if given green-house protection in the winter; 15 inches. Oz., 50c.; pkt., 5c.

102. **Ageratum.** Choice mixed. Oz., 25c.; pkt., 5c.

AGROSTEMMA.

Showy for beds and borders; they are also known as "Rose of Heaven," "Rose Campion," etc. Hardy annual.

110. **A. Fine Mixed.** Pkt. 5c.



ALONSOA. (Mask Flower.)

A beautiful cut-leaved plant from Chili; flowers very showy and attractive, produced on spikes. Half-hardy annual.

120. **A. Warscewiczii.** Rosy scarlet; 1½ ft. Pkt., 5c.



ALYSSUM BENTHAMII COMPACTUM.

ALYSSUM. Golden yellow flowers; ¾ ft.; hardy perennial. Oz., 50c.; pkt., 5c.

ALYSSUM.

A well-known favorite, with delicate flowers of a honey-like fragrance; much prized for bouquets, baskets, rockeries and bedding; a continual bloomer.

140. **A. Sweet.** Flowers white; 1 ft.; hardy annual. Oz., 25c.; pkt., 5c.

141. **Benthami Compactum.** A new and very compact growing sort, thickly studded with spikes of pure white flowers; ½ ft.; hardy annual. Oz., 75c.; pkt., 5c.

142. **Saxatile Compactum.** Golden yellow flowers; ¾ ft.; hardy perennial. Oz., 50c.; pkt., 5c.

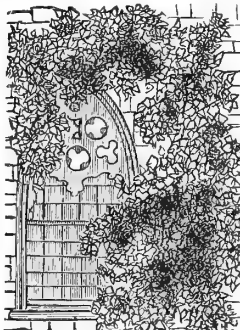
AMARANTHUS.

Plants are grown entirely for their richly colored foliage and long racemes of curious looking flowers. Half-hardy annuals.

160. **A. Caudatus.** (Love-lies-bleeding.) Blood red, drooping; 3 ft. Oz., 25c.; pkt., 5c.

161. **Tri-color.** (Joseph's Coat.) Handsome red, yellow and green foliage; 3 ft. Oz., 25c.; pkt., 5c.

162. **Cruentus.** (Prince's Feather.) Erect flowering; bright scarlet. Oz., 75c.; pkt., 5c.



AMPELOPSIS VEITCHII.

163. **Salicifolius.** (Fountain Plant.) Of a pyramidal drooping habit; leaves willow-shaped, changing to magnificent hues; 4 ft. Oz., 40c.; pkt., 5c.

164. **Bi-color.** Rich brown and yellow. Oz., 50c.; pkt., 5c.

AMPELOPSIS. (Japanese, or Boston Ivy.)

180. **A. Veitchii.** Clings firmly upon any surface, and can be confined to any limit by pruning. Leaves olive green, which turn to scarlet in the autumn; the best kind of a plant for covering unsightly objects; 50 ft. Hardy perennial. Oz., 35c.; pkt., 10c.

ANAGALLIS. (Pimpernel.)

Very desirable for small beds, edgings, rock work, baskets or borders; a constant and profuse bloomer. Half-hardy annual.

200. **A. Grandiflora, Mixed.** White, blue and deep vermilion red; ½ ft. Pkt., 5c.

ANTIRRHINUM. (*Snap-Dragon*.)

One of our very best perennials; blooms abundantly the first summer until after frost. Flowers are large, finely shaped, and of the most brilliant colors. Hardy perennial.

220. **A. Nanum, Mixed.** Finest dwarf Tom Thumb; very rich colors; 1 ft. Pkt., 5c.
221. **Majus, Mixed.** Tall varieties; fine assortment; 2 ft. Pkt., 5c.

AQUILEGIA.—Double. (*Columbine*.)

The flowers of this plant are very curiously formed, strikingly beautiful, and produced in great variety and profusion, and bloom quite early in the spring. Hardy perennial.

240. **A. Single.** Mixed colors; all the best sorts; 2 ft. Pkt., 5c.
241. **Double.** Mixed colors; all the best sorts; 1½ ft. Pkt., 5c.

ARISTOLOCHIA.(*Dutchman's Pipe*.)

An attractive, quick growing, hardy perennial, with large heart-shaped leaves and flowers of singular formation, resembling a pipe; 30 ft.

260. **A. Siphon.** Flowers brownish purple. Pkt., 10c.

ARGEMONE. (*Prickly Poppy*.)

Grows well in any garden soil; plants bear large flowers resembling a single poppy; the foliage is large, of a bright green color, sparsely covered with slender prickles. Hardy annual.

280. **A. Grandiflora.** White; very handsome; 2 ft. Pkt., 5c.
281. **Argemone.** Fine mixed. Pkt., 5c.

ARMERIA. (*Sea Pink*.)

290. **A. Maritima.** A very handsome, compact growing plant, well adapted to rock work, edgings, etc.; flowers rosy pink. Hardy perennial; ½ ft. Pkt., 10c.

ASPERULA.

A profuse blooming plant, bearing many clusters of small sweet-scented flowers; very pretty for bouquets. Hardy annual.

300. **A. Orientalis.** Sky blue; ¾ ft. Pkt., 5c.
301. **A. Setosa.** Sky blue. Pkt., 5c.

ASTER.

This is one of the most popular and effective of our garden flowers, producing a profusion of bloom, in which richness and variety of color are combined with the most perfect and beautiful form. Plant in rich soil. In hot, dry weather they should be mulched with well-rotted manure, and freely watered. Hardy annuals.

320. **A. Peony Perfection, Mixed.** Very large, perfect, double flowers, beautifully incurved; bright colors; 1½ ft. Pkt., 10c.
321. **New Rose-Flowered, Mixed.** Rare and beautiful, pyramidal, strong habit; variously colored, large, brilliant, double flowers; 2 ft. Oz., \$3.00; pkt., 10c.
322. **Queen Victoria, Large-Flowered.** Flowers very large, perfectly double; the richest colored and most showy of all the English asters. Very free bloomer; mixed colors; 1½ ft. Oz., \$2.50; pkt., 10c.
323. **German Chrysanthemum-Flowered.** The flowers are very double, of enormous size and perfect shape; the colors are brilliant, and varied with charming combinations of shades which are very effective; 1 ft. Oz., \$2.50; pkt., 10c.
334. **German Quilled, Mixed.** Perfectly double; beautiful mixed colors; 2 ft. Oz., \$1.00; pkt., 5c.
325. **Victoria Snow White.** Pure white, extra double flowers, 5 inches in diameter; 2 ft. Pkt., 10c.
326. **Choice German, Mixed.** Oz., \$2.00; pkt., 10c.
327. **Deep Scarlet Triumph.** See Novelties. Pkt., 20c.
328. **Regal.** See Novelties. Pkt., 20c.
329. **Little Sunbeam.** See Novelties. Pkt., 20c.

BALLOON VINE. (*Love in a Puff*.)

340. **Cardiospermum Halicacabum.** A climbing plant, useful for either inside or out-door decoration; succeeds best in a light, warm situation. Flowers white, 6 ft. Half-hardy annual. Pkt., 5c.

BARTONIA.

Plants of a succulent nature, flowers expanding after the middle of the day, and very fragrant towards evening. The leaves are thistle-like in appearance, and somewhat downy. Should be watered freely during dry weather. Hardy annual.

360. **B. Aurea.** Flowers very bright yellow. 2 ft. Pkt., 5c.

BALSAM.(*Lady Slipper, or Touch-me-not*.)

Our collection embraces all the most improved kinds, and there has certainly been great improvements made in varieties within the last few years. The largest and best double flowers are secured by first sowing in a seed bed and then transplanting them where they are to grow. Hardy annuals; 2 ft.

380. **B. Extra Double White.** This is the handsome double white balsam so much grown by florists. Very choice. Oz., \$2.00; pkt., 10c.

381. **The King.** Brilliant scarlet, very double. Oz., 75c; pkt., 10c.



BALSAM.—EXTRA DOUBLE.

382. **New Challenger Prize.** The flowers are of wonderfully large size and perfect shape, colors brilliant and varied, comprising pure white, lemon, salmon, rose, crimson, deep pink, purple, mottled and striped. Pkt., 20c.

383. **Camellia-Flowered.** Very double and beautiful colors; perfect form. Oz., 80c; pkt., 10c.

384. **Double.** Extra choice, mixed. Oz., 40c; pkt., 5c.

385. **Double Solferino.** Very beautiful, white ground, striped and streaked with lilac and scarlet. Oz., 60c; pkt., 10c.

386. **Royal Camellia Prize.** See Novelties. Pkt., 25c.

BEANS. (*Phaseolus Multiflorus*.)

Desirable rapid climbers, producing a profusion of bright bloom the entire season. 12 ft. Hardy annual.

400. **B. Scarlet.** Brilliant scarlet. Oz., 10c; pkt., 5c.
401. **White.** Pure white. Oz., 10c; pkt., 5c.

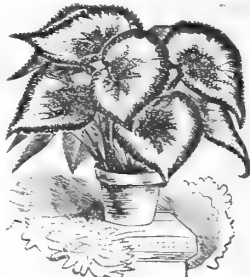
BEGONIA.

Quite popular for planting out in the spring, and should be set out as soon as the ground is warm. They are likewise highly prized for window gardening. Bloom the first season from seed.

420. **B. Tuberous-Rooted, Single, Mixed.** Comprising the most varied and brilliant shades. Pkt., 25c.

421. **Tuberous-Rooted, Double, Mixed.** This collection embraces the largest flowers, and most lovely shades, by hybridizing the best single and double varieties for that purpose. Pkt., 40c.

422. **Rex Hybrid, Mixed.** Beautiful varieties, with variegated foliage. Pkt., 25c.



BEGONIA REX.

BRACHYCOME.

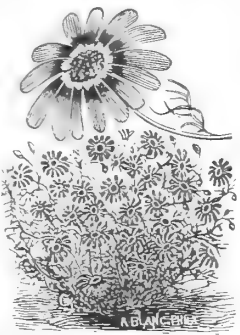
460. **B. Iberidifolia.** (*Swan River Daisy*.) An erect growing plant, covered the entire season with pretty flowers about one inch in diameter; mixed colors of blue and white with a dark centre; 1 ft. Half-hardy annual. Pkt., 5c.

BROWALLIA.

The Browallia is valuable, alike for blooming during the winter in the house, as well as bedding out during the summer. Remarkably free and attractive bloomers. Half-hardy annual.

470. **B. Elata Cœrulea Grandiflora.** Pale blue; ½ ft. Oz., 50c; pkt., 5c.

471. **B. Elata Alba.** Pure



BRACHYCOME IBERIDIFOLIA.

- white; 1½ ft. Oz., 50c; pkt., 5c.

472. **Roezli, Mixed.** An exceedingly pretty species, flowers double the size of the preceding varieties, and forms a dense, compact bush; flowers azure blue and white with a yellow centre; 2 ft. Hardy annual. Pkt., 10c.

CACALIA. (*Tassel Flower*.)

Small, pretty plants with tassel-like flowers, keeping in bloom from early summer until autumn; 1½ ft. Hardy annual.

480. **C. Mixed.** Golden yellow and scarlet. Oz., 20c; pkt., 5c.

481. **C. Coccinea.** Scarlet. Pkt., 5c.

CALAMPELIS. (*Eccremocarpis*.)

490. *C. Scabra*. A quick-growing evergreen climber, bearing profusely clusters of orange-colored tube-like flowers. Half-hardy perennial; 10 ft. Oz., \$1.00; pkt., 10c.

CALANDRINIA.

Pretty plants, with succulent stems and fleshy leaves; splendid for edgings and rockeries.

500. *C. Grandiflora*. Beautiful rose; 1½ ft. Hardy annual. Oz., 80c; pkt., 5c.

501. *Umbellata*. Dazzling magenta crimson; 1 ft. Half-hardy biennial. Oz., \$1.00; pkt., 5c.

CALCEOLARIA.

CALCEOLARIA..

compact and strong growing sorts, producing large and brilliant self-colored and spotted flowers; 1 ft. Pkt., 40c.

522. *C. Rugosa*. Small flowering varieties for bedding, of the finest colors; 2 ft. Pkt., 40c.

CALENDULA.

Very free and attractive bloomers, growing well in almost all situations. Hardy annuals.

540. *C. Officinalis Meteor*. A splendid large flowering variety, double striped, of a deep orange on a pale yellow ground; 1 ft. Oz., 25c; pkt., 5c.

541. *Prince of Orange*. A novelty surpassing in beauty *C. Meteor*, the florets being striped with a more intense shade of orange; 1 ft. Oz., 80c; pkt., 10c.

542. *Ranunculoides Fl. Pl.* (Cape, or Garden Marigold.) Deep orange color; 1 ft. Oz., 25c; pkt., 5c.

543. *Calendula*. Fine mixed. Pkt., 5c.

COREOPSIS, or CALLIOPSIS.

COREOPSIS, OR CALLIOPSIS.

Very showy free-flowering plants, natives of this country; fine for borders and beds, easily cultivated. Hardy annuals.

560. *C. Drummondii*. Yellow, with a circle of rich crimson brown; 1 ft. Pkt., 5c.

561. *Atrosanguinea*. Dark crimson; 2 ft. Pkt., 5c.

562. *Mixed*. Embracing the most showy colors. Oz., 50c; pkt., 5c.

CALLIRHOE.

580. *C. Involucrata*. Flowers beautiful crimson, begin to bloom when quite small and continue in bloom the entire summer and autumn; ½ ft. Hardy perennial. Pkt., 5c.

CAMPANULA. (*Bell Flower*.)

Very attractive plants with pretty bell-shaped flowers; of very easy cultivation.

600. *C. Speculum*. (*Venus' Looking Glass*.) Pretty blue; ½ ft. Hardy annual. Pkt., 5c.

601. *Media, Single Mixed*. (*Canterbury Bells*.) Beautiful large, bell-shaped flowers; handsome for border or pot culture; 2½ ft. Hardy biennials. Pkt., 5c.

602. *Media, Double Mixed*. All the finest double varieties; 2½ ft. Hardy biennials. Pkt., 5c.

603. *Carpatia, Mixed*. Free flowering, blue and white; bloom the whole season; ¾ ft. Hardy perennial. Pkt., 5c.

604. *C. Cup and Saucer*. See Novelties. Pkt., 15c.

CANDYTUFT. (*Iberis*.)

Favorite plants of the easiest culture, useful for growing in beds or masses; bloom long and freely. Hardy annuals.

620. *I. Fragrant*. (*Pectinata*.) Pure white, pinnated foliage; 1 ft. Oz., 20c; pkt., 5c.

621. *Crimson*. Very beautiful; 1 ft. Oz., 25c; Pkt., 5c.

622. *White Rocket*. (*Amara Grandiflora*.) Large trusses of pure white flowers; 1 ft. Oz., 25c; pkt., 5c.

623. *White Tom Thumb*. (*Hybrida Nana*.) A new dwarf variety, growing about six inches high, branching into a handsome bush about sixteen inches in diameter. Pkt., 10c.

624. *Fine Mixed*. Comprising all the choicest tall-growing varieties; 1 ft. Oz., 20c; pkt., 5c.

CANNA. (*Indian Shot Plant*.)

The tropical luxuriance of this plant renders it particularly suitable for forming groups on lawns, or as a background for dwarfier growing plants. The flowers of these plants have been greatly improved. Half-hardy perennials.

640. *C. Marechal Vaillant*. Foliage rich maroon; large, bright orange flowers; 5 ft. Pkt., 5c.

641. *Tricolor*. Foliage green, red and creamy yellow; bright scarlet flowers; 3 ft. Oz., 75c; pkt., 5c.

642. *Finest Mixed*. Embracing twenty of the best sorts. Oz., 40c; pkt., 5c.

643. *C. Gigantea*. 8 ft. Pkt., 5c.

645. *Dwarf Large Flowering*. See Novelties. Pkt., 15c.

CARNATION, or PICOTEE PINK.

(*Dianthus Caryophyllus Flore Pleno*.)

Many splendid novelties in double and semi-double flowers may be expected from our seed, as it is saved from a prize collection. Half-hardy annuals.

660. *C. Grenadin*. Blooms much earlier than any other Carnation; more floriferous, larger and finer double flowers, which are of a brilliant scarlet color; 1 ft. Pkt., 25c.

661. *Finest German Double Mixed*. Saved from extra, choice named, double flowers; 1½ ft. Pkt., 40c.

662. *Fine Double Mixed*. Comprising the hardest and best varieties for garden culture; 1½ ft. Pkt., 20c.

CEDRONELLA.

670. *C. Cana*. An interesting evergreen plant from New Mexico, with fragrant foliage and long spikes of crimson flowers; 2 ft. Hardy perennial. Pkt., 10c.

CELOSIA. (*Cockscomb*.)

Interesting and brilliant plants of tropical origin, which never fail to please the grower and attract attention; one of the most satisfactory plants for garden decoration. Half-hardy annuals.

675. *C. Cristata, Dwarf, Crimson*. Large, velvet-like combs; 1 ft. Oz., 40c; pkt., 5c.

676. *Cristata, Variegata*. Brilliant combs of crimson and gold; 3 ft. Pkt., 10c.

677. *Japonica*. A distinct handsome variety, combs of the most brilliant scarlet, and ruffled like lace; 2½ ft. Oz., 60c; pkt., 10c.

678. *Glasgow Prize*. Very fine, dwarf variety, brilliant crimson comb, and handsome dark variegated foliage; 1 ft. Oz., 75c; Pkt., 10c.

679. *Cristata*. Finest mixed. Oz., 40c; pkt., 5c.

CENTAUREA. (*Dusty Miller*.)

Extensively used for margins, beds and vases. Half-hardy perennials.

685. *C. Candidissima*. Attractive, silvery, cut leaves. Half-hardy perennials; 1 ft. Oz., \$2.00; 1000 seeds, 75c; pkt., 10c.

686. *Gymnocarpa*. Graceful, finely cut, silvery gray leaves. Half-hardy perennials; 1½ ft. Oz., \$5.00; 1000 seeds, \$1.00; pkt., 10c.

687. *Cyanus Minor, Mixed*. (*Blue Bottle or Corn Flower*.) Beautiful flowers, in bloom all summer; pretty shades of white, blue and deep rose. Hardy annual; 1½ ft. Oz., 20c; pkt., 5c.

CENTRANTHUS.

Will grow freely in any garden soil; flowers produced in clusters, and bloom freely; Hardy annuals.

690. *C. Mixed*. Red and white; 1½ ft. Oz., 25c; pkt., 5c.

CHRYSANTHEMUM.

The beautiful and varied colors of these charming plants are so natural that they have the appearance of being laid on with a brush, hence they are often called Painted Daisies.

700. *C. Gladstone*. A new and beautiful English variety, flowers rich crimson, great size and perfect form; profuse bloomer. Hardy annual; 1 ft. Oz., \$1.00; pkt., 15c.

701. *The Sultan*. Flowers are a rich velvet crimson maroon, with gold colored rim about one-quarter inch deep next to the centre; 1½ ft. Hardy annual. Oz., \$1.00; pkt., 10c.

702. *Burridgeanum*. Crimson with white edge and inner white circle; very pretty; 1 ft. Hardy annual. Oz., 40c; pkt., 5c.

703. *Carinatum (Tricolor) "Eclipse"*. Resembles *C. Burridgeanum*, but surpasses it greatly by its striking colors, of great beauty, which are a pure golden yellow with a purplish scarlet ring on the ray florets, the dies being a dark brown; 1 ft. Hardy annuals. Oz., 60c; pkt., 10c.

704. *Selected, Mixed*. Comprises a full assortment of the prettiest single and double sorts. Hardy annuals. Oz., 40c; pkt., 5c.

704. *New Double Japanese and Chinese Mixed*. These superb flowers present many odd and beautiful types, frequently measuring six inches in diameter, with broad petals deeply incurved, varying in color from pure white to pale pink, crimson, maroon and rich orange brown. Pkt., 40c.



LORD BEACONSFIELD CHRYSANTHEMUM.

705. **LORD BEACONSFIELD.** An exceedingly handsome and wonderfully brilliant variety. The flower is very large and perfect in form; color a rich crimson maroon, edged and striped with gold, and having a golden rim surrounding the eye. Pkt., 15c.

706. **C. Coronarium.** Double white and yellow; fine. Pkt., 10c.

CINERARIA. (*Cape Asters.*)

Very attractive free-flowering green-house plants, blooming during the winter and spring months. Though perennials, they do better when treated as tender annuals.

720. **C. Hybrida, Grandiflora, Prize, Tall, Mixed.** Extra selected seed, unsurpassable in quality, and beautiful brilliant colors; 2 ft. Pkt., 40c.; extra large pkt., \$1.50.

721. **Hybrida Grandiflora, Prize, Dwarf, Mixed.** Produce the same large and brilliant flowers as the above variety, but only grow about 1 ft. high. Pkt., 40c.; extra large pkt., \$1.50.

722. **Hybrida Double, Mixed.** Possess all the varied hues of the hybrid tall and dwarf varieties; 2 ft. Pkt., 40c.; extra large pkt., \$1.50.

CINERARIA. (*Dusty Miller.*)

Cultivated only for their beautiful downy silver leaves, which are among the finest for ribbon beds and masses. Half-hardy perennials; 2 ft.

740. **C. Maritima Candidissima.** Large silvery, deeply cut foliage. Pkt., 10c.

741. **Acanthifolia.** Beautifully cut silvery foliage; harder than the above; 1 ft. Pkt., 10c.

CLARKIA.

An old favorite plant, growing well in any garden soil. Seed can be sown either in September or early spring. Hardy annual.

760. **C. Single and Double, Mixed.** Beautiful snow white, rosy crimson, and deep rose; 1½ ft. Oz., 25c.; pkt., 5c.

761. **C. Elegans, Purple King.** Pkt., 5c.

CLEMATIS.

Well-known and greatly admired climbers, being remarkable for the beauty and fragrance of their blossoms.

780. **C. Jackman's Large-Flowering Hybrids.** The flowers will average three inches in diameter, ranging through all conceivable shades of purple, violet, porcelain, blue and white. Hardy perennials; 10 ft. Pkt., 20c.

781. **Coccinea.** Of slender habit, tubular flower, deep vermilion on outside and yellow within. Hardy perennial; 10 ft. Pkt., 20c.

782. **Virginiana.** Greenish white, fragrant flowers; dies down to the ground in winter, but starts up in spring. Hardy perennial; 20 ft. Pkt., 10c.

783. **Flammula.** A luxuriant climber, with large clusters of small, white, sweet-scented flowers; 15 ft. Oz., 40c.; pkt., 10c.

CLEOME. (*Spider Flower.*)

790. **C. Speciosissima.** The stamens of this strange looking, rose-colored flower resemble the legs of a spider. Half-hardy annual; 3 ft. Pkt., 5c.

CLIANTHUS. (*Australian Glory Pea.*)

800. **C. Dampieri.** A beautiful plant, with brilliant, rich scarlet, pea-shaped flowers, with an intense black spot in each centre. Green-house perennial; 4 ft. Pkt., 20c.

CLINTONIA.

820. **C. Elegans.** A pretty blue flower, similar in shape to the Lobelia. Splendid for hanging baskets, or rock work, or damp, shady situations. Hardy annual; 1 ft. Pkt., 10c.

COBEA.

840. **C. Scandens.** A beautiful, rapid-growing climber, with handsome foliage and large bell-shaped flowers, green at first, changing to a beautiful, deep violet blue; 20 to 30 feet. Half-hardy perennial Oz., \$1.25; pkt., 10c.

COLEUS.

860. **C. American Hybrids.** Mixed. Seed saved from the very finest new hybrid sorts, remarkable for their brilliant and varied foliage. Pkt., 25c.; extra large pkt., 75c.

COLLINSIA.

A pretty, free-blooming plant, with various colored flowers, white, pink, violet, purple, blue and gray-blue. Hardy annual.

880. **C. Mixed.** 1 ft. Pkt., 5c.

COMMELINA.

900. **C. Cælestis.** An erect plant, producing pretty sky-blue flowers in great profusion. Roots should be preserved like Dahlias; its beauty will increase from year to year; 1½ ft. Half-hardy herbaceous perennial. Pkt., 10c.

CONVOLVULUS. (*Morning Glory.*)

The most popular annual in cultivation. The dwarf varieties are very pretty for bedding, hanging baskets and vases. Hardy annual.

920. **C. Tricolor Roseus.** Beautiful rose color, with pure white centre, fringed with purple, shading towards the throat with five broad bands of golden yellow; 1 ft. Pkt., 5c.

921. **Major, Mixed.** Finest colors; 15 ft. Oz., 20c.; pkt., 5c.

922. **Mauritanicus.** A beautiful trailing plant, with rich blue flowers; 1 ft. Pkt., 10c.

923. **New Crimson Violet.** 1 ft. Oz., 25c.; pkt., 5c.

924. **Minor, Mixed.** All colors; 1 ft. Oz., 20c.; pkt., 5c.

COSMOS.

930. **C. Hybridus.** See Novelties, page 73. Pkt., 20c.

CUPHEA. (*Cigar Plant.*)

When planted outside will bloom all summer; on the approach of frost they may be removed to the conservatory, where they will continue to bloom the entire winter. Half-hardy perennial.

940. **C. Hookeriana Grandiflora Superba.** Beautiful vermilion and orange color; 3 ft. Oz., 80c.; pkt., 10c.

941. **C. Miniata.** Curious flowers of a bright vermilion, with a centre of reddish violet; 1½ ft. Oz., 80c.; pkt., 10c.

942. **C. Platycentra.** Scarlet. Very pretty species. Pkt., 10c.

CYCLAMEN.

960. **C. Persicum Giganteum, Mixed.** Pure white and delicate rose, changing to bright crimson color at the base, measuring from 2 to 2½ inches in length; 8 in. Half-hardy perennial. Pkt., 50c.; extra large pkt., \$1.00.

CYPRESS VINE.

(*Ipomea Quamoclit.*)

An elegant climbing plant, with beautiful fern-like foliage, and masses of beautiful star-shaped flowers; 15 ft. Half-hardy annuals.

980. **C. Crimson.** Oz., 40c.; pkt., 10c.

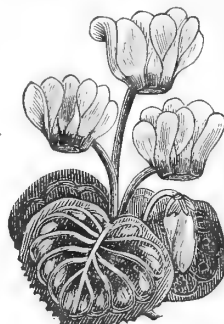
981. **White.** Oz., 40c.; pkt., 5c.

982. **Mixed.** Oz., 40c.; pkt., 5c.

983. **Scarlet Ivy-leaved.** Deeply lobed ivy-like leaves; fiery scarlet. Oz., 60c.; pkt., 5c.



CLEMATIS.



CYCLAMEN.



NEW SINGLE DAHLIAS.

DAHLIA.

Will bloom the first year from seed, if sown not later than March; 2 to 8 ft. Half-hardy perennial.

1000. **D. Large Flowering, Double.** Comprising every known shade of color. Oz., \$2.25; pkt., 15c.

1001. **Single, Mixed.** Saved from the very choicest single varieties. Oz., \$2.00; pkt., 15c.

DAISY.

(*Bellis Perennis*.)

Bloom from April to June, well adapted to pot culture, and beds or edgings in shady situations; 4 in. Half-hardy perennials.

1020. **D. Double, Mixed.** Extra quality. Pkt., 20c.

1022. **Longfellow.** Very large, double, dark rose flowers, borne on long stems. Pkt., 25c.

DATURA.

(*Trumpet Flower*.)

Produce an excellent effect when planted in borders or shrubbery; 3 ft. Half-hardy perennial.

1040. **D. Fastuosa Huberiana, Mixed.** Large, double flowers of various colors. Pkt., 5c.

1041. **Wrightii. (Meteloids.)** Handsome, white, single flowers of exquisite fragrance. Pkt., 5c.

DIGITALIS. (Foxglove.)

A highly ornamental plant of stately growth; excellent for shrubberies and half shady places.

1120. **D. Mixed.** Long spikes of beautiful thimble-shaped flowers; 3 ft. Hardy perennial. Pkt., 5c.

DOLICHOS. (Hyacinth Bean.)

1140. **D. Giganteus.** A beautiful climbing plant of free growth, producing clusters of beautiful purple flowers; 20 ft. Tender annual. Oz., 25c; pkt., 5c.

1141. **D. Purpurea.** Pkt., 5c.

DIANTHUS. (Pinks.)

These embrace some of the most popular flowers in cultivation, as well as the most satisfactory that can be raised from seed.

1080. **D. Chinensis Fl. Pl. (China or Indian Pink.)** Extra large, double, fragrant flowers, mixed; 1 ft. Hardy annual. Oz., \$1.00; pkt., 5c.

1081. **Heddewigii Diadematis Fl. Pl. (Double Diadem Japan Pink.)** Densely double flowers, 3 ins. in diameter; beautiful tints of crimson, lilac, purple, outer edges fringed white; 6 in. Hardy annual. Pkt., 10c.

1082. **Scoticus Fl. Pl. (Double Scotch, or Paisley Pinks.)** Seed saved from an extra fine collection of named varieties;

flowers with fringed edges; mixed colors; 1 ft. Hardy perennial. Pkt., 20c; extra large pkt., \$1.50.

1083. **Plumarius Fl. Pl. (Finest Double Garden Pink.)** Very fragrant, beautiful mixed colors; 2 ft. Hardy perennial. Oz., 50c; pkt., 5c.

1084. **D. Imperialis.** Double imperial pink, fine. Pkt., 5c.



DIANTHUS HEDDEWIGII.

DELPHINIUM. (Larkspur.)

Very handsome plants, producing a fine effect no matter where grown; producing a profusion of bloom the entire summer. Will bloom the first year from seed.

1060. **D. Formosum.** Brilliant, rich, blue flowers, with a white centre; 2½ ft. Hardy perennial. Pkt., 10c.

1061. **Nudicaule.** Bright scarlet flowers, with clear, yellow petals; 18 in. Hardy perennials. Pkt., 10c.

1062. **Exaltatum.** Very pretty blue and white flowers; 5 ft. Hardy annual. Pkt., 10c.

1063. **Imperial Flore Pleno. (Emperor Larkspur.)** With beautiful, long spikes of brilliant, dark blue, tricolor and red striped, double flowers; 1½ ft. Hardy annual. Pkt., 10c.

1064. **Finest Mixed Hybrids.** A fine collection of twenty sorts; 2 ft. Hardy annuals. Oz., 40c; pkt., 5c.

1065. **Dwarf German Rocket.** Hyacinth-flowered larkspur, mixed. Pkt., 5c.

1066. **D. Elatum.** Bee Larkspur. Pkt., 5c.

1067. **D. Chinensis.** Blue Larkspur. Pkt., 5c.

DICTAMNUS. (Fraxinella.)

A fragrant free-flowering herbaceous plant, suitable for mixed borders, thriving in any common soil. When bruised the plant emits a lemon-like fragrance; 2 ft. Hardy perennial.

1100. **D. Mixed.** Long racemes of white and red flowers. Pkt., 10c.

ERYSIMUM. (Hedge Mustard.)

1160. **E. Perofskianum.** Large clusters of beautiful deep red, very showy orange flowers, resembling a single Wall Flower; 1½ ft. Hardy annual. Pkt., 5c.

ESCHSCHOLTZIA.

(*California Poppy*.)

Very pretty, profuse blooming plants of extremely rich and beautiful colors; blooming from June until frost.

1180. **E. Californica.**

Very large, bright yellow flowers, with rich orange centre; 1½ ft. Hardy annual. Oz., 20c; pkt., 5c.

1181. **Crocea Fl. Pl.**

Beautiful double bright orange scarlet, shading to salmon red; 1 ft. Hardy biennial. Pkt., 10c.

1182. **Fine Mixed.** Comprises fully a dozen of the finest colors. Oz., 25c; pkt., 5c.

EUPATORIUM.

1200. **E. Fraseri.** Snow-

white flowers, blooming the first season from seed; 1½ ft. Hardy herbaceous perennial. Pkt., 10c.



ESCHSCHOLTZIA CROCEA.

EVERLASTINGS.

These are very popular and desirable for winter decoration, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches and dried in the shade, with their heads downwards.

1240. **Acroclinium Roseum Fl. Pl.** Bright rose, double, larger than the old sorts; 15 in. Half-hardy annual. Pkt., 5c.

1241. **Ammobium Alatum Grandiflorum.** A leading everlasting; flowers very large and pure white color. Hardy annual. Pkt., 5c.

1242. **Gomphrena, Mixed. (Batchelor's Buttons.)** Remarkably handsome flowers, comprising pure white, crimson, orange and variegated colors; 2 ft. Half-hardy annual. Oz., 40c; pkt., 5c.



RHODANTHE.

1243. **Helipterum Humboldtianum. (Sanfordi.)** Large clusters of bright golden yellow flowers, retaining their brilliancy for years; 1½ ft. Hardy annual. Pkt., 5c.

1244. **Helichrysum, Finest Mixed.** Large beautiful, very double, white, yellow, scarlet; 1½ ft. Hardy annual. Oz., 40c; pkt., 5c.

1245. **Rhodanthe, Finest Mixed.** Very rich colors of rose, crimson, purple, carmine and white; 1 ft. Half-hardy annual. Pkt., 10c.

1246. **Xeranthemum.** Leaves silvery, brilliant colors of purple, rose and white flowers, produced on long stems; 2 ft. Hardy annuals. Pkt., 10c.

EUPHORBIA.

(Snow on the Mountain.)

1220. **E. Variegata.** A pretty foliage plant, with white and green variegated bracts; 2 ft. Hardy annual. Pkt., 5c.

EUTOCA.

1230. **E. Viscida.** Pretty dark blue flowers, will keep fresh for several days if placed in water; 2 ft. Hardy annual. Oz., 25c.; pkt., 5c.

FENZLIA.

1260. **F. Dianthoides.** A very showy, profuse flowering little plant. Flowers, rosy lilac with orange centre; 3 in. Hardy annuals. Pkt., 10c.

FERNS.

HARDY FERNS.

1280. **F. Choice Mixture** for Green-house Cultivation. Comprising most of the desirable and handsome sorts for this purpose. Pkt., 25c.; extra large pkt., 50c.

1281. **Hardy Mixture.** Comprising twelve of the most desirable hardy sorts for outdoor culture. Pkt., 25c.; extra large pkt., 50c.

GAILLARDIA.

Very attractive plants, producing a profusion of bloom the entire summer and autumn. Half-hardy annuals.

1300. **G. Picta Lorenziana.** Sulphur, golden, bright yellow, orange, claret and amaranth; 1½ ft. Oz., 50c.; pkt., 10c.

1301. **Hybrida Grandiflora.** Large flowers, of rich crimson and yellow; 1½ ft. Oz., 40c.; pkt., 5c.

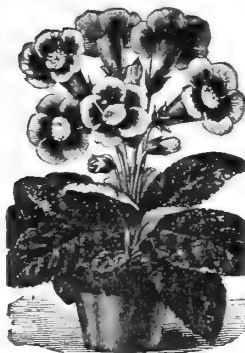
1302. **Picta Nana.** (Painted Lady.) Showy crimson, bordered with yellow; 1 ft. Oz., 20c.; pkt., 5c.

GERANIUM.

A popular and handsome plant, extensively used for bedding; 1 to 3 ft. Half-hardy perennial.

1320. **G. Zonale, Mixed.** Saved from the largest and finest varieties. Oz., \$1.50; pkt., 10c.

1321. **Apple Scented.** Very fragrant; pretty foliage. 100 seeds, 50c.; 500 seeds, \$1.75; pkt., 25c.

GLOXINIA HYBRIDA CRASSIFOLIA.

GLOXINIA GRANDIFLORA.

A bulbous-rooted plant, producing a great profusion of bell-shaped flowers, of the most brilliant variety of color; 1 ft. Tender perennial.

1380. **G. Grandiflora, Mixed.** Comprising the finest hybrid, erect, horizontal and pendulous varieties. Pkt., 25c.; extra large pkt., 50c.

GILIA.

1340. **G. Tricolor.** Flowers orange yellow, with a white margin separated by a circle of deep purple; 1 ft. Hardy annual. Pkt., 5c.

GLAUCIUM. (Horned Poppy.)

1360. **G. Corniculatum.** (Pheniceum.) A very showy plant, with long, graceful, silvery leaves, deeply cut and curled; 1 ft. Half-hardy biennial. Pkt., 5c.

GODETIA.

Profuse flowering plants, worthy of more extended cultivation, bloom well in almost any situation.

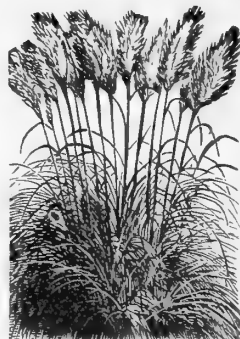
1400. **G. Lady Satin Rose.** Large, handsome flowers of carmine crimson, petals tinged with pale lilac; 1 ft. Hardy annual. Oz., 50c.; pkt., 5c.

1401. **Bijou.** A new variety, with snow-white flowers and a bright carmine spot on each petal; ½ ft. Hardy annual. Oz., \$1.75; pkt., 10c.

1402. **Choice Mixed.** Oz., 40c.; pkt., 5c.

1403. **Lady Albemarle.** Flowers 3 inches across, crimson and carmine, delicately suffused with lilac. Oz., 75c.; pkt., 5c.

GODETIA—LADY SATIN ROSE.

HORDEUM JUBATUM,
SQUIRREL-TAIL GRASS.GYNERIUM ARGENTEUM,
PAMPAS GRASS.**GRASSES.** (Ornamental.)

1440. **Agrostis Nebulosa.** Pkt., 5c.
 1441. **Avena Sterilis.** (Animated Oats.) 2½ ft. Pkt., 5c.
 1442. **Briza Maxima.** (Rattlesnake Grass.) 1 ft. Pkt., 5c.
 1443. **Coix Lachrymae.** (Job's Tears.) 2 ft. Pkt., 5c.
 1444. **Erianthus Ravennae.** Very ornamental; 10 ft. Pkt., 5c.
 1445. **Gynerium Argenteum.** (Pampas Grass.) 10 ft. Pkt., 10c.
 1446. **Hordeum Jubatum.** (Squirrel-Tail Grass.) 3 ft. Pkt., 5c.
 1447. **Zea Japonica Variegata.** (Variegated Japanese Maize.) Striped gold and white. Pkt., 5c.
 1448. **Stipa Pennata.** (Feather Grass.) 2 ft. Pkt., 5c.
 1449. **Eragrostis Elegans.** (Love Grass.) 1 ft. Pkt., 5c.
 1450. **Eulalia Zebrina.** (Zebra Grass.) 7 ft. Pkt., 5c.

GYPSOPHILA.

Free-flowering and elegant plants for rock work, baskets and borders.

1480. **G. Elegans.** Pretty star-shaped, white and pink flowers; ½ ft. Hardy perennial. Pkt., 5c.

1481. **Paniculata.** Produces numerous panicles of small, white, handsome flowers; fine for bouquets; 2¼ ft. Hardy annual. Pkt., 5c.

HEDYSARUM. (French Honeysuckle.)

1500. **H. Coronarium, Mixed.** A very handsome, free-flowering plant, producing beautiful racemes of red and white pea-shaped flowers; particularly adapted for borders; 3 ft. Hardy perennial. Pkt., 5c.

HELIANTHUS.
(Sunflower.)

A well-known and attractive popular flower of stately growth, well adapted to screen unsightly objects.

1510. **H. Californicus Plenissimus.** Extra large, double, very showy, saffron-colored flowers; fine; 6 ft. Hardy annual. Oz., 25c.; pkt., 5c.

1511. **Circum-erifolius.** Of a very pretty branching habit; flowers orange yellow with a black centre; blooming profusely until killed by frost; 3 ft. Hardy annual. Oz., 75c.; pkt., 5c.

HELIANTHUS CIRCUMERIFOLIUS.
MINIATURE SUNFLOWER.

Fistulosus. (Dahlia Sunflower.) Flowers very double and of medium size; 6 ft. Hardy annual. Oz., 50c.; pkt., 5c.

HELIOTROPE.

These are deliciously fragrant flowers remaining in bloom a long time; fine for pot culture or bedding; 1½ ft. Half-hardy annuals.

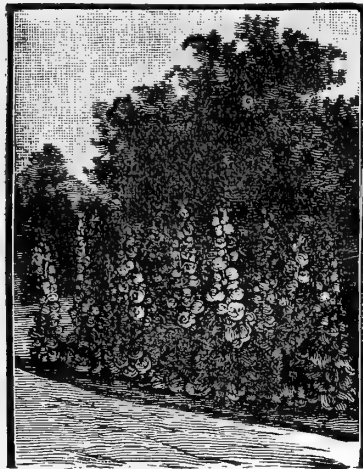
1520. **H. Fine Mixed.** A choice assortment of the choicest fragrant varieties. Oz., \$1.50; pkt., 10c.

HIBISCUS.

The two varieties mentioned below are fine branching plants, free blooming and of the easiest culture.

1540. **H. Africanus.** (*H. Trionium*.) Very pretty foliage, and large cream-colored flowers, with brown centre; 2 ft. Hardy annual. Pkt., 5c.

1541. **Palustris.** Beautiful, large pink flowers; 3 ft. Hardy annual. Pkt., 5c.



A BED OF HOLLYHOCKS.

HOLLYHOCK.

(*Althea rosea*.)

This is one of the oldest inhabitants of our gardens, and now ranks as one of the finest autumn flowers, 6 ft. Hardy perennial.

1560. **H. Double White.** The finest strain of perfectly double, pure white flowers. Pkt., 15c.

1561. **Double Yellow.** Comprising the finest shades of orange, straw and buff. Pkt., 15c.

1562. **Double Pink and Red.** Pkt., 15c.

1563. **Extra Choice Double Mixed.** Chater's prize collection. Pkt., 10c.

HONESTY. (*Lunaria*.)

1580. **L. Biennis.** (*Satin Flower*.) Pretty single purple flowers; 2 ft. Hardy biennial. Pkt., 5c.

HUMEA.

1600. **H. Elegans.** When fully grown this is a very attractive, handsome plant, ruby red, grass-like flowers; 8 ft. Half-hardy biennial. Pkt., 10c.

HUMULUS.

1620. **Humulus Japonicus, or Japanese Hop.** A wonderful new annual climber from Japan, growing with great rapidity, and very dense foliage. Color is a lively green. It is undoubtedly one of the best climbers for covering verandas, trellises, etc.; 20 ft. Hardy annual. Pkt., 15c.

IMPATIENS.

1640. **I. Sultana.** Flowers brilliant, rose scarlet, 1 to 2½ inches in diameter. It is so profuse a bloomer that well-grown specimens appear like a perfect ball of flowers; 1½ ft. Tender perennial. Pkt., 25c.



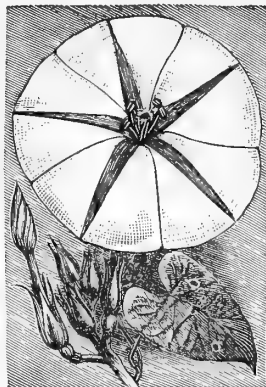
HUMULUS JAPONICUS.—Pkt., 15c.

IPOMOPSIS. (*Standing, or Tree Cypress*.)

Beautiful free-flowering plants, with fine foliage. Will bloom the first year from seed if sown early.

1680. **I. Elegans.** Dazzling scarlet flowers; 3 ft. Half-hardy biennial. Pkt., 5c.

1681. **Superba.** Dazzling orange flowers; 3 ft. Half-hardy biennial. Pkt., 5c.



MOON FLOWER—IPOMÆA NOCTIFLORA.

IPOMÆA.

Very pretty rapid growing plants, with handsome, bright colored, trumpet-shaped flowers, excellent for covering old walls, stumps, arbors, etc. Half-hardy annuals.

1660. **I. Bona Nox.** (*Evening Glory or Good-Night*.) Very large, white, fragrant flowers; 10 ft. Oz., \$1.00; pkt., 10c.

1661. **Coccinea.** (*Star Ipomœa*.) Handsome little scarlet flowers; 10 ft. Oz., 40c; pkt., 5c.

1662. **Huberi, Mixed.** Comprising all the new Japanese hybrids; 10 ft. Oz., 75c; pkt., 10c.

1663. **I. Hederacea.** Mixed, very fine. Pkt., 5c.

1664. **I. Noctiflora.** Moon flower. Pkt., 10c.

KAULFUSSIA. (*Charteris Heterophylla*.)

1700. **K. Mixed.** The flowers resemble single asters. Violet. Hardy annual; 1 ft. Pkt., 5c.

LANTANA.

1720. **L. Hybrida, Mixed.** Desirable green-house or bedding plants, embracing every shade, white, pink, orange and purple. Half-hardy perennial; 2 ft. Oz., \$1.00; pkt., 10c.

LATHYRUS. (*Everlasting Fea*.)

1740. **L. Latifolius.** A handsome, free-flowering plant, useful for covering trellises, old stumps, fences, etc. Flowers a beautiful scarlet. Hardy perennial; 5 ft. Pkt., 5c.

LEPTOSIPHON.

1760. **L. Fine Mixed.** A very pretty plant, well adapted to marginal lines in ribbon beds; ½ ft. Hardy annual. Pkt., 5c.

LINARIA. (*Kenilworth Ivy*.)

1780. **L. Cymbalaria.** A very handsome, small, neat, trailing plant, admirably suited for baskets. Hardy perennial; 8 ft. Oz., \$5.00; pkt., 10c.

LINUM. (*Scarlet Flax*.)

1800. **L. Grandiflorum.** A showy bedding plant, with fine foliage, remaining in bloom a long time; 1 ft. Hardy annual. Oz., 30c; pkt., 5c.

LOASA.

1820. **L. Aurantiaca.** A rapid growing, free-flowering climber, with beautiful orange flowers; 4 ft. Hardy annual. Pkt., 10c.

LOBELIA.

Handsome little plants, admirably adapted for borders, vases, pots or hanging baskets. Half-hardy annuals.

1840. **L. Erinus Crystal Palace Compacta.** A compact deep blue variety; ½ ft. Pkt., 10c.

1841. **Erinus Speciosa Alba Maxima.** Showy white flowers of drooping and spreading habit; ½ ft. Pkt., 10c.

1842. **Cardinalis.** (*Cardinal Flower*.) Brilliant scarlet; 3 ft. Pkt., 10c.

1843. **Gracilis.** Slender, pale blue. Pkt., 10c.

1844. **Mixed.** Finest Erinus varieties. Pkt., 10c.

1845. **Mixed.** Good. Oz., 40c; pkt., 5c.



LOBELIA CARDINALIS.

LOPHOSPERMUM.

1860. **L. Scandens.** A highly ornamental climber for the garden or conservatory. Blossoms of a very rich purple and violet color; 10 ft. Half-hardy annual. Pkt., 10c.

LUPINS. (*Sun Dials*.)

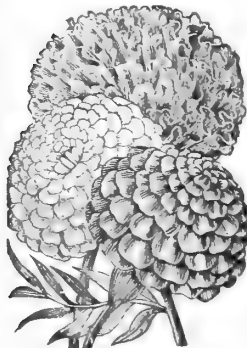
1880. **L. Mixed.** Highly ornamental, varied colored, free flowering, pea-shaped flowers; 2 ft. Hardy annuals. Pkt., 5c.

LYCHNIS.

1900. **L. Chalcedonica.** Brilliant scarlet flowers; blooms the first year. Hardy perennial; 2 ft. Pkt., 5c.

MALOPE.

1920. **M. Grandiflora.** A handsome plant, with fine, large, dark crimson flowers covering the entire plant the whole season. Half-hardy annual; 1 ft. Pkt., 5c.



MARIGOLD.—Pkt., 10c.

MARIGOLD. (Tagetes.)

A very showy and popular plant of easy culture. Half-hardy annuals.

1940. **M. Gold Striped.** The flowers of this beautiful variety are regularly striped with a golden yellow and exquisite chestnut brown; $\frac{1}{2}$ ft. Oz., \$1.00; pkt., 10c.

1941. **Eldorado.** Flowers 3 to 4 inches in diameter; perfectly and extremely double, and embracing every shade; $1\frac{1}{2}$ ft. Pkt., 10c.

1942. **Dwarf French, Mixed.** Seed saved from the choicest double flowers; 1 ft. Oz., 25c; pkt., 5c.

1943. **Large African.** Very double flowers, orange, brown and yellow. Oz., 25c; pkt., 5c.

MARVEL OF PERU. (Mirabilis.)

This is the fine old garden plant known as Four o'Clocks. It succeeds well in any garden soil; a very showy and popular flower. Hardy annual.

1960. **M. Mixed.** Beautiful colors; 2 ft. Pkt., 5c.

1961. **New Dwarf White.** Snowy white flowers and fine yellow foliage; 10 in. Pkt., 5.

MAURANDIA.

A very graceful climber for the green-house, parlor, baskets, or out-door purposes, blooming the first season from seed. Half-hardy perennials.

1980. **M. Alba.** Pure white; 10 ft. Pkt., 10c.

1981. **Barclayana.** Very rich violet or purple; 10 ft. Pkt., 10c.

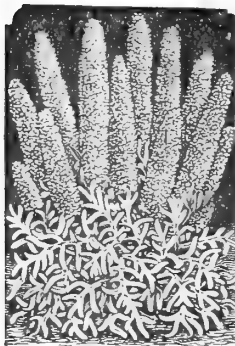
1982. **Mixed.** The finest colors. Pkt., 10c.

MESEMBRYANTHEMUM.

Dwarf-growing, profuse flowering plants of great beauty. Half-hardy annual.

2000. **M. Crystallinum.** (Ice Plant.) Flowers white, with ice-like foliage. Pkt., 5c.

2001. **Tricolor.** (Wax Pink.) Very pretty, rosy pink flowers; $\frac{1}{2}$ ft. Pkt., 5c.



MIGNONETTE BIRD'S MAMMOTH.

MIGNONETTE.

A well-known and universal garden favorite, and one that requires no extra instructions for growing. Hardy annual.

2020. **M. Sweet Scented.** (Reseda Odorata.) 1 ft. Oz., 20c; pkt., 5c.

2021. **Grandiflora Ameliorata.** Petals of a reddish tint; $1\frac{1}{4}$ ft. Oz., 30c; pkt., 5c.

2022. **Golden Queen.** Flowers golden yellow; $1\frac{1}{4}$ ft. Pkt., 10c.

2023. **Parson's White.** Strongly scented, large, well-formed spikes; $1\frac{1}{4}$ ft. Oz., 50c; pkt., 10c.

2024. **Machet.** Produces long, broad spikes of deliciously scented red flowers; 1 ft. Pkt., 10c.

2025. **Bird's Mammoth.** Pkt., 15.

2026. **Hybrid Spiral.** Pure white; 1 ft. Oz., 50c; pkt., 10c.

2027. **Giant White Spiral.** See Novelties. Pkt., 15c.

MEMOSA.

2040. **M. Pudica.** (Sensitive Plant.) A curious plant. The leaves will close if touched or shaken; 1 ft. Half-hardy annual. Pkt., 5c.

MIMULUS. (Monkey Flower.)

A class of very handsome plants, much admired for their curious-shaped and brilliant colored flowers. Half-hardy perennials.

2060. **M. Moschatus.** (Musk Plant.) Beautiful yellow flowers; $\frac{1}{2}$ ft. Pkt., 10c.

2061. **Cardinalis.** Flowers of a brilliant scarlet hue; 1 ft. Pkt., 10c.

2062. **M. Punctatus.** (Monkey Flower.) Pkt., 10c.

MINA.

2080. **M. Lobata.** The flowers are tube-like, of a bright red color when first formed, changing to an orange yellow; 20 ft. Pkt., 25c.

MOMORDICA.

2090. **M. Balsamina.** (Balsam Apple.) The fruit when ripe is used for medicinal purposes. Half-hardy annual; 15



MINA LOBATA.

ft. Oz., 50c; pkt., 5c.

2091. **Charantia.** (Balsam Pear.) Same as the above, excepting that the fruit is longer in shape. Oz., 50c; pkt., 5c.



MYOSOTIS PALUSTRIS, FORGET-ME-NOT. Pkt., 10c.

MYOSOTIS.

(Forget-Me-Not.)

Popular and beautiful little plants, with neat star-like flowers, blooming the first year from seed. Half-hardy perennials.

2100. **M. Palustris.** (The True Forget-Me-Not.) Beautiful blue flowers; $\frac{1}{2}$ ft. Oz., \$1.00; pkt., 10c.

2101. **Alba.** Pure white; $\frac{1}{2}$ ft. Pkt., 10c.

2102. **Dissitiflora.** Large dark blue flowers, compact and very early; $\frac{1}{2}$ ft. Pkt., 10c.

MYRSIPHYLLUM. (Smilax.)

2120. **M. Asparagoides.** Beautiful, delicate, wavy, glossy, deep green foliage, 10 ft. Tender perennial. Oz., \$2.00; pkt., 15c.

NASTURTIUM.

(Tropaeolum.)

These are regarded by many as being the most valuable of summer flowering plants, as they grow vigorously, and flower freely under intense heat and drought. Hardy annuals.

2140. **N. Tom Thumb.** Scarlet; 1 ft. Oz., 25c; pkt., 5c.

2141. **Tom Thumb.** Yellow; 1 ft. Oz., 25c; pkt., 5c.

2142. **Tom Thumb.** Mixed; 1 ft. Oz., 25c; pkt., 5c.

NASTURTIUM EMPRESS OF INDIA.

2143. **Empress of India.** The flowers are of the most brilliant crimson color; 1 ft. Oz., 50c; pkt., 10c.

2144. **Tall, Orange;** 10 ft. Oz., 20c; pkt., 5c.

2145. **Tall, Scarlet;** 10 ft. Oz., 20c; pkt., 5c.

2146. **Tall, Mixed;** 10 ft. Oz., 20c; pkt., 5c.

2147. **Collection of 12 Dwarf Varieties.** Each color separate. Very fine. 50c.

2148. **Collection of 12 Tall Varieties.** Each color separate. Very fine. 50c.

NEMOPHILA. (*Grove Love*.)

A charming dwarf-growing plant, well adapted for borders or pot culture.

2160. **N. Mixed.** Flowers bright blue, white margined and spotted; 1 ft. Pkt., 5c.

NIEREMBERGIA.

2180. **N. Frutescens.** A very pretty, shrubby plant, with white and blue flowers. Half-hardy annual; 1 ft. Oz., \$1.00; pkt., 10c.

2181. **N. Gracilis.** White and purple with yellow centre. Pkt., 10c.

NIGELLA.

Curious and interesting free-flowering plants of the easiest culture. Hardy annuals.

2200. **N. Damascena Nana.** (*Devil in a Bush*.) Double, blue and white; $\frac{3}{4}$ ft. Pkt., 5c.

2201. **Hispanica.** (*Love in a Mist*.) Deep blue, with blood-colored stamens; $\frac{1}{2}$ ft. Pkt., 5c.

NOLANA.

The plant resembles the Portulaca, and the flower that of the Morning Glory; $\frac{1}{2}$ ft. Hardy annuals.

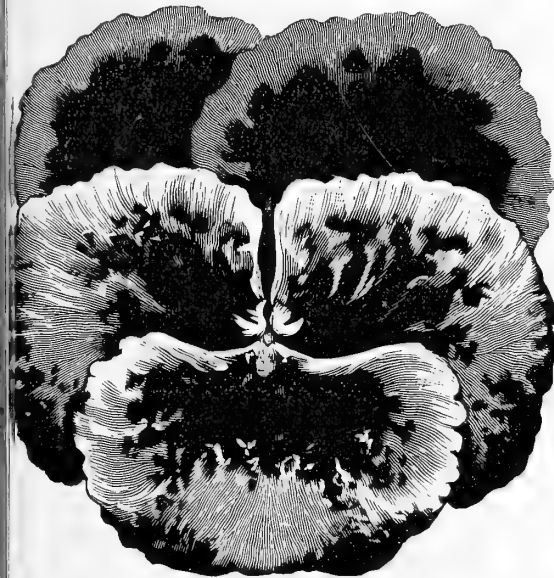
2220. **N. Finest Mixed.** Sky blue, white yellow and purple. Pkt., 5c.

OBELISCARIA.

2240. **O. Mixed.** A rare plant, with showy flowers of rich, velvety crimson, edged with yellow. Hardy annuals; $\frac{2}{3}$ ft. Pkt., 5c.

GENOTHERA. (*Evening Primrose, or Sun Drops*.)

2260. **O. Biennis.** (*Grandiflora, or Lamarckiana*.) Showy, large, delicately fragrant, pale, yellow flowers; blooms the first season from seed; 3 ft. Hardy biennial. Pkt., 5c.



BUGNOT'S LARGE STAINED PANSY. Pkt., 50c.

PANSY. (*Viola Tricolor Maxima*.)

In offering the classes herewith, we have chosen such distinct, striking and peculiar types as are most rare and beautiful, and we can faithfully recommend them as being extraordinary, choice and fine; $\frac{1}{2}$ ft. Hardy perennials.

2280. **P. Imperial German Large Flowering.** Embracing fifty choice prize varieties in every known color and marking. Oz., \$8.00; 6 pkts., \$1.00; 3 pkts., 60c; pkt., 25c.

2281. **Bugnot's Large Stained.** A new French variety, flowers of enormous size; the colors are extremely varied. Pkt., 50c; 3 pkts., \$1.00.

2282. **Giant Trimardeau.** Flowers of great size, and in an endless variety of beautiful shades. $\frac{1}{4}$ oz., \$3.00; 3 pkts., 60c; 6 pkts., \$1.00; pkt., 25c.

2283. **Premium.** Seeds saved from first-class named flowers only. A magnificent strain, embracing the most beautiful colors and finest shades. Oz., \$6.00; pkt., 25c.

2284. **Pure Yellow.** Oz., \$1.50; pkt., 15c.

2285. **Snow Queen.** Very large, satiny white, yellow centre. Oz., \$2.00; pkt., 15c.

2286. **Faust** (*King of the Blacks*.) Uniform, coal-black flowers. Pkt., 15c.

2287. **Extra Choice English Mixed.** Oz., \$4.00; pkt., 10c.

OXALIS.

Beautiful, free-flowering, small plants, and unusually attractive. Half-hardy perennials.

2271. **O. Rosea.** Flowers delicate rose; $\frac{3}{4}$ ft. Oz., \$3.00; pkt., 10c.

2272. **Tropaeoloides.** Flowers deep yellow, foliage dark green, very desirable for borders; $\frac{1}{2}$ ft. Oz., \$2.00; pkt., 10c.

2273. **Mixed Varieties.** Pkt., 10c.

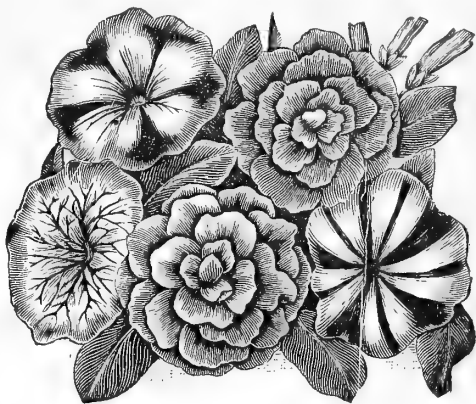
PENSTEMON.

One of the most effective free-flowering plants, for beds or borders. Long spikes of finely-shaped and richly colored flowers; grows well in any soil. Half-hardy perennial.

2300. **P. Extra Fine Mixed.** 2 ft. Oz., \$2.50; pkt., 10c.

PERILLA.

2320. **P. Nankinensis.** A very fine, dark ornamental-leaved foliage plant, similar to Coleus. Half-hardy annual. $\frac{1}{2}$ ft. Pkt., 5c.



PETUNIA GRANDIFLORA.

PETUNIA.

We have obtained the very finest and highest improved strains of the rare and beautiful large flowering varieties. Half-hardy annuals.

2340. **P. Double Hybridized and Fringed.** This exquisite sort will produce an unusually large percentage of fine, large, double fringed flowers. Pkt., 25c; large pkt., \$1.00.

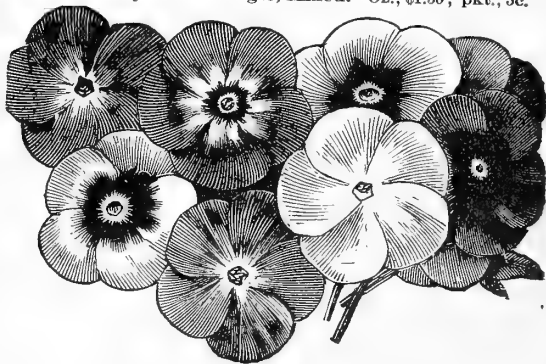
2341. **Hybrid, Extra Mottled.** An exceedingly choice strain of large mottled, spotted and striped; beautiful shades of the best colors. Large pkt., 75c; pkt., 25c.

2342. **Hybrida Grandiflora.** Very large handsome flowers of the finest colors and markings. Pkt., 25c; extra large pkt., 50c.

2343. **Hybrida Nana Compacta Multiflora.** Cherry-red flowers with a white star in centre; $\frac{1}{2}$ ft. Pkt., 25c; extra large pkt., 75c.

2344. **Choice Hybrid, Mixed.** All good colors. Oz., \$2.50; pkt., 10c.

2345. **Very Choice Single, Mixed.** Oz., \$1.50; pkt., 5c.



PHLOX DRUMMONDII GRANDIFLORA. Pkt., 10c; 3 pkts., 25c.

PHLOX DRUMMONDII.

The Phlox is remarkable for the brilliancy and abundance of its bright, dazzling flowers. Hardy annuals; $\frac{1}{2}$ ft.

2360. **P. Drummondii Grandiflora, Mixed.** This is a new and novel strain of the large flowering section. Oz., \$1.50; pkt., 10c.

2361. **Coccinea Grandiflora.** Brilliant rich scarlet. Pkt., 10c.

2362. **Splendens.** Vivid crimson, pure white. Pkt., 10c.

2363. **Alba Pura.** Pure white. Pkt., 10c.

2364. **Nana Compacta.** Very finest colors, extra quality; best for pots. Pkt., 20c.

2365. **Mixed.** All choice colors. Oz., 50c; pkt., 5c.

2366. **Decussata, Perennial, Mixed.** Seed saved from finest named flowers; $\frac{2}{3}$ ft. Pkt., 10c.

2367. **Star of Quedlinburg.** See Novelties. Pkt., 25c.

2368. **Striped Beauty.** See Novelties. Pkt., 25c.



VICTORIA CROSS POPPY.

POPPY. (*Papaver*.)

The many gay-colored flowers produce a brilliant effect in any garden; 2½ ft. Hardy perennials.

2380. **P. Umbrosum.** Brilliant, deep scarlet, marked with four large black spots. Pkt., 10c.

2381. **Victoria Cross.** The centre represents a maltese cross of silvery white. The large surface of the petals is of a rich vermilion crimson. Pkt., 20c.

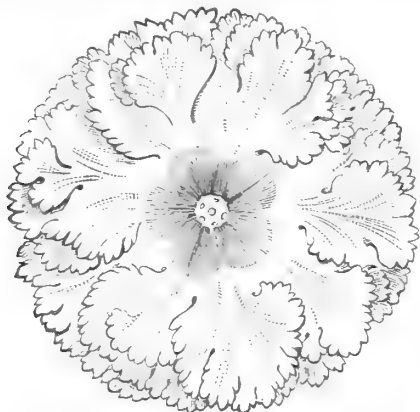
2382. **Carnation Flowered, Mixed.** Splendid, large, double flowers. Oz., 30c.; pkt., 5c.

PORTULACA.

A popular, strong growing plant. Sandy soil; neither heat nor drought is too great for it. ½ ft. Hardy annual.

2400. **P. Finest Single, Mixed.** A large variety of the most brilliant colors. Oz., 50c.; pkt., 5c.

2401. **Double Rose Flowered, Mixed.** The most brilliant shades and choice flowers. Pkt., 20c.



PRIMULA SINENSIS FIMBRIATA. Pkt., 40c.

PRIMULA. (*Primrose*.)

We exercise great care in growing and saving the seed of these most satisfactory and beautiful of house plants; ¾ ft. Tender perennial.

2420. **P. Fimbriata Sinensis, Mixed.** Extra choice mixed. Very large, magnificent flowers of the richest and most varied colors. Pkt., 40c.; extra large pkt., \$1.00.

2421. **Fimbriata Flore Pleno, Mixed.** An exceedingly choice strain of double varieties. Pkt., 40c.; extra large pkt., \$1.00.

2422. **Fimbriata Sinensis, Fine Mixed.** Very good strain. Pkt., 25c.; extra large pkt., 50c.

Evening Primrose. See *Oenothera*.

PRIMULA VERUS. (*English Cowslip*.)

2423. **P. Extra Choice, Mixed.** Free flowering, very attractive plants, useful for bedding. Hardy perennial; ½ ft. Pkt., 10c.

PYRETHRUM. (*Feverfew*.)

2440. **P. Parthenifolium Aureum.** (*Golden Feather*.) A highly ornamental golden yellow foliage plant, unexcelled for bedding. Hardy perennial; ½ ft. Oz., \$1.00; pkt., 10c.

RICINUS. (*Castor-Oil Bean*.)

A tall, majestic, ornamental foliage plant; with leaves of a metallic hue. Half-hardy annuals.

2460. **R. Gibsoni.** Handsome, deep red foliage, compact branching habit; 5 ft. Oz., 40c.; pkt., 5c.

2461. **Sanguineus.** Leaves green, stalks blood red, showy red fruit; 8 ft. Oz., 30c.; pkt., 5c.

2462. **Phillippiniensis.** A majestic variety, with beautiful gigantic foliage; 10 ft. Oz., 40c.; pkt., 5c.

2463. **Mixed.** Many choice sorts. Oz., 25c.; pkt., 5c.



CASTOR-OIL PLANT.

ROCKET. (*Hesperis Matronales*)

2480. **R. Sweet, Mixed.**

Large clusters of single purple and white flowers that are deliciously fragrant during the evening. Hardy annual; 1½ ft. Pkt., 5c.

SALPIGLOSSIS. (*Velvet Flower*.)

2500. **S. Fine Mixed.** Sky blue and scarlet flowers, very beautifully pencilled. Hardy annual; 1½ ft. Pkt., 10c.

SALVIA.

A very ornamental free flowering plant, remaining in bloom until killed by frost.

2520. **S. Splendens.** (*Scarlet Sage*.) Large spikes of vivid scarlet flowers; 2 ft. Oz., \$4.00; pkt., 10c.

2521. **Patens.** Superb deep blue flowers; 2 ft. Pkt., 20c.

SANVITALIA.

2540. **S. Procumbens Flore Pleno.** Very pretty trailing plants; excellent for rock work or edgings. Flowers of a brilliant golden yellow. Hardy annual; ½ ft. Pkt., 10c.

SAPONARIA.

2560. **S. Calabrica.** Charming little plants, producing a profusion of rich, deep pink flowers. Hardy annual; ½ ft. Pkt., 5c.



DWARF GERMAN TEN WEEK STOCKS. Pkt., 10c.

STOCKS, TEN WEEK. (*Mathiola Annua*.)

All the varieties are highly prized for cut flowers, owing to their rich fragrance and bright colors. Half-hardy annuals; 1 ft.

2660. **S. Blood Red.** Oz., \$4.00; pkt., 10c.

2661. **Crimson.** Oz., \$4.00; pkt., 10c.

2662. **White.** Oz., \$4.00; pkt., 10c.

2663. **Blue.** Oz., \$4.00; pkt., 10c.

2664. **Dwarf Large-Flowering German Double, Blood Red.** Blue, crimson and blue. Each, oz., \$4.00; pkt., 10c.

2665. **Extra Choice Mixture.** Very double flowers. Oz., \$3.00; pkt., 10c.

2666. **Dwarf Wall Flower-Leaved German, Mixed.** Very fine, large double. Oz., \$4.00; pkt., 10c.

SCABIOSA.

A handsome border plant, bearing a profusion of beautiful fragrant flowers; very handsome for table bouquets. Hardy annuals.

2580. **S. Candidissima Alba Plena.** Pure white, double flowers; 2 ft. Oz., 40c.; pkt., 5c.
 2581. **Dwarf, Mixed.** White, red and purple flowers; 1 ft. Oz., 25c.; pkt., 5c.

SHIZANTHUS.

2600. **S. Papilionaceous.** (*Butterfly Flower.*) A showy variety, with curiously spotted dark violet, yellow and crimson flowers. Half-hardy annual; 1½ ft. Pkt., 5c.

2601. **Fine Mixed.** A large variety of choice sorts. Oz., 30c.; pkt., 5c.

SEDUM. (*Stone Crop.*)

2620. **S. Cœruleum.** Remarkably pretty succulent plants, growing readily upon rocks, walls and roofs of houses; ¼ ft. Pkt., 10c.

SENSITIVE PLANT. See *Mimosa*.

SILENE.

A beautiful genus of free flowering plants, with bright attractive flowers. Hardy annual; 1 ft.

2640. **S. Armeria, Mixed.** Red, white and rose. Oz., 25c.; pkt., 5c.

2641. **Pendula Flore Pleno.** Charming rose-colored flowers. Oz., \$1.00; pkt., 5c.

SMILAX. See *Myrsiphyllum*.



NEW SWEET PEA VESUVIUS.—Pkt., 10c.

SWEET PEAS. (*Lathyrus Odoratus.*)

All the varieties are very showy, free flowering climbers. Hardy annuals; 3 ft.

2700. **Sweet Pea Vesuvius.** The large upper petals show a brilliant carmine rose, shading toward the centre into a deep, glowing purple throat, the whole being sprinkled with crimson dots. Oz., 75c.; pkt., 10c.

2701. **Scarlet Invincible.** Oz., 40c.; pkt., 5c.
 2702. **Butterfly.** Pure white, laced with lavender blue. Oz., 40c.; pkt., 10c.

2703. **White.** Pure white. Oz., 25c.; pkt., 5c.
 2704. **Striped.** Very handsome. Oz., 25c.; pkt., 5c.

2705. **Everlasting, Mixed.** (*Lathyrus Latifolius.*) 5 ft. Oz., 40c.; pkt., 5c.

2706. **Choice, Mixed.** Over seventeen choice sorts. Oz., 15c.; lb., 75c.; pkt., 5c.

See also Novelties.

SWEET SULTAN. (*Centaurea Moschata.*)

2720. **Sweet Sultan.** A handsome plant. Flowers purple, double, and of a strong, musky scent. Hardy annual; 1 ft. Pkt., 5c.

SWEET WILLIAM. (*Dianthus Barbatus.*)

These plants, when in full bloom, present a beautiful sight, and for a fine display are unsurpassed. Blooms freely the first season from seed. Hardy perennial; 1½ ft.

2740. **Sweet William, Mixed.** The finest, largest and most double varieties. Oz., \$1.25; pkt., 5c.

THUNBERGIA. (*Black-Eyed Susan.*)

A beautiful class of very ornamental climbers, suitable for green-house or out-door culture. Half-hardy annuals; 4 ft.

2760. **T. Alba Oculata.** White; dark eye. Oz., 40c.; pkt., 5c.

2761. **Aurantiaca.** Orange; dark eye. Oz., 40c.; pkt., 5c.

2762. **Bakeri.** Pure white. Oz., 40c.; pkt., 5c.

2763. **Finest Mixed.** Choice shades. Oz., 40c.; pkt., 5c.

2764. **Alata.** Buff; dark eye. Pkt., 5c.

TORENIA.

Very pretty summer plants, for hanging baskets or borders. Half-hardy annuals; ¾ ft.

2780. **T. Fournieri.** Sky-blue, with a bright yellow throat. Pkt., 20c.

2781. **Bailloni.** Golden yellow flowers, with a brownish red throat. Pkt., 20c.

TROPÆOLUM.

Very elegant and profuse blooming climbers, for in-door or out-door culture. Half-hardy annuals.

2800. **T. Peregrinum.** (*Canary Bird Flower.*) Yellow. 10 ft. Pkt., 5c.

2801. **Lobbianum.** Brilliant mixed varieties; 6 ft. Pkt., 5c.

VERBENA.

Well-known plants of great beauty and variety, with beautiful, dazzling, self-colored, striped and variegated flowers. Half-hardy perennials; 1 ft.

2820. **V. Hybrida, Striped.** Very brilliant shades. Pkt., 15c.

2821. **Candidissima.** Large trusses of the purest white flowers. Pkt., 15c.

2822. **Coccinea.** Brilliant scarlet. Pkt., 15c.

2823. **New Mammoth.** See Novelties. Pkt., 25c.

2824. **Choicest Mixed.** Selected from the newest and finest named varieties. Oz., \$4.00; pkt., 15c.

2825. **Fine Mixed.** All good varieties. Oz., \$3.00; pkt., 10c.



VERBENA-CHOICEST MIXED.

VINCA.

Beautiful free-flowering plants, suitable for house culture or bedding purposes, blooming the first year from seed. Half-hardy perennials; 1½ ft.

2840. **V. Rosea.** Rose, with dark eye. Oz., \$1.25; pkt., 10c.

2841. **Alba.** White, with crimson eye. Oz., \$1.25; pkt., 10c.

2842. **Pura.** Pure white; exquisite. Oz., \$1.25; pkt., 10c.

VIOLET. (*Viola Odorata.*)

A great favorite, much in demand on account of its abundant and fragrant bloom. Hardy perennial; ½ ft.

2860. **V. Single White.** Sweet scented. Pkt., 10c.

2861. **Single Blue.** Sweet scented. Pkt., 10c.

2862. **Mixed.** Pkt., 10c.

VIRGINIA STOCK.

A beautiful, free-flowering plant for beds, baskets, or edgings. Hardy annual; ¾ ft.

2880. **Virginia Stock.** Fine red and white, mixed. Pkt., 5c.

WALL FLOWER. (*Cheiranthus Cheri.*)

A handsome popular plant, with massive spikes of fragrant flowers. Hardy perennial; 2 ft.

2900. **Wall Flower, Double Mixed.** Yellow, brown and purple flowers. Pkt., 10c.

2901. **Single Mixed.** Showy colors. Oz., 40c.; pkt., 5c.

WHITLAVIA.

2920. **W. Grandiflora.** A pretty and charming plant, with delicate and handsome foliage, and bright blue and white bell-shaped flowers. Hardy annual; ¾ ft. Pkt., 5c.

ZINNIA. (*Youth and Old Age.*)

The Zinnia is one of our most showy plants, so easy of cultivation and handsome that it will always be popular. Hardy annual; 1½ ft.

2940. **Z. Elegans Flore Pleno.** Dazzling scarlet, yellow, orange, rose, lilac, crimson and white. Oz., 50c.; pkt., 5c.

2941. **Haageana Fl. Pl.** Deep orange yellow, retaining its color when dried. Pkt., 10c.

2942. **Zebra, Striped.** See page 88.



COLLECTION OF RARE CACTI.

RARE CACTI FROM BRAZIL AND MEXICO.

These rare plants are now as popular as Orchids, but, unlike them, they require absolutely no care, and will grow for months in a parlor or sitting-room without watering. Their large flowers, of exquisite beauty and fragrance, are perfectly dazzling, and when not in bloom, their strange and grotesque forms always attract attention. We will send, free by mail, 10 fine plants, all named, no two alike, all large and free bloomers, for \$1.00, or 4 for 50 cents. We also offer seed of the fine varieties illustrated opposite. They are easily raised from the seed, and will be found very satisfactory. Price, pkt., 25c.; 5 pkts., \$1.00.

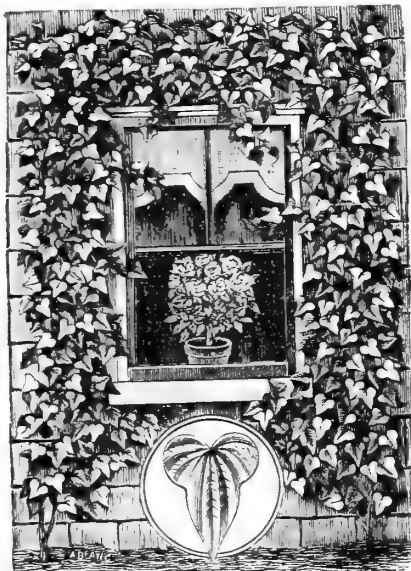
THE CINNAMON VINE.

This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of the cinnamon, and is very appropriately called the "Cinnamon Vine." Perfectly hardy, the stem dying down every autumn, but growing again so rapidly in the spring as to completely cover any trellis or arbor very early in the season. It is as easily cultivated as the Madeira Vine, has no insect enemies, and is not affected by drouth. It is propagated from small bulbets, which will make from ten to twenty feet of vine, and with its beautiful heart-shaped leaves, bright green peculiar foliage, and clusters of delicate white flowers, sending forth a delicious cinnamon odor, render it by far one of the most desirable climbers in cultivation. Bulbs, 6 for 30c. or 50c. per dozen. Post-paid.



DOUBLE STRIPED ZEBRA ZINNIAS.

2942. A superb strain of this very popular flower, the petals being distinctly striped, as shown in the illustration above. They run through all the shades known to the Zinnia, such as orange, crimson, pink, yellow, rose, violet and white. They are very compact in growth, and are far superior to those usually grown. Pkt., 15c.; 8 pkts. for \$1.00.



CINNAMON VINE. 50c. per dozen Bulbs.

2960.

A WILD FLOWER GARDEN.

A mixture of many varieties of beautiful, easy-growing, hardy flowers, producing a constant and varied bloom the whole season, for sowing in shrubbery, under trees and in beds on which no care will be bestowed, or even for sowing in exposed situations where wildness is preferred to order and precision. The mixture comprises Mignonette, Candytuft, Larkspurs, Marigolds, Poppies, Foxgloves, and many other garden favorites, which will flower successively and yield an abundance of bloom. Pkt., 10c.; 1/2 oz., 25c.; oz., 50c.



WILD FLOWER GARDEN. Pkt., 10c.; oz., 50c.





Our plants and bulbs, like our seeds, are of the very best quality and choicest varieties. Our packer has had twenty-five years' experience, and all orders are packed in the most careful manner. They are guaranteed to arrive in good condition and give satisfaction. At prices given they are sent by mail, postage paid, to any post-office in the United States.

Amaryllis Formosissima. (*Jacoba Lily*.) A well-known favorite; color, rich crimson velvet. Each, 20c.; \$2.00 per dozen, post-paid.



Dahlia. (*Double*.) Of this fine old plant we have twenty-five of the best improved varieties, in various shades of red, white, yellow, pink and purple. If our customers will name the color preferred, and whether the large or small flowering varieties, we will select according to their desires. Each, 25c.; \$2.50 per dozen.

Dahlia. (*Single*.) There has been a great improvement effected by high cultivation in the single Dahlias and those which we now offer are really beautiful, rivaling the Large Hybrid Clematis, which they very much resemble. Each, 25c.; \$2.50 per dozen.

IMPROVED DOUBLE DAHLIAS.

(*Elephant's Ear*.) This is one of the largest leaved plants that grows. In very rich, damp soil, the leaves grow from three to five feet long and two-thirds as broad, in one season. They should be kept in a warm place in winter. Each, 25c.; \$2.50 per dozen.



NAMED GLADIOLUS.

FINE MIXED GLADIOLUS. A promiscuous collection of bulbs of various shades and colors. Many fine varieties are among them. Persons who do not care for the names of the varieties can purchase a fine display for a small amount. Each, 5c.; 50c. per dozen, post-paid; by express, \$3.00 per 100.

Canna. (*Indian Shot*.) A splendid foliage plant, and one of the best centre pieces for a large bed or ornamental group. Grows from five to seven feet high; leaves two feet long, of a dark, purplish bronze color. Each, 25c.; \$2.50 per dozen.

Lilium Tigrinum. (*Tiger Lily*.) Color orange salmon, very showy. \$1.50 per dozen; each 15c., post-paid.

Lily of Valley. (*Convallaria Majalis*.) Beautiful and graceful white flowers of exquisite fragrance. Each, 10c.; \$1.00 per dozen.

Madeira, Mexican or Mignonette Vine. Very fragrant; rapid climber. Excellent for harbors. Flowers white. Each, 8c.; 60c. per dozen, post-paid.

Tuberose Roots—New Extra Early Double African. Bulbs and flowers are larger, finer and bloom earlier than the American varieties. Each, 15c.; \$1.50 per dozen, by mail, postage paid.

Tuberose Roots—Finest Double and Pearl. For an early bloom, plant about March, in pots or boxes, in good, rich soil, transplanting in the garden about the middle of May. Each 3c.; 50c. per dozen, post-paid; \$3.00 per 100 by express.



STRAWBERRIES.

Postage.—Strawberries at dozen rates will be sent by mail, free of postage; at the rates per 100, 20c. per 100 must be added to pay postage.

Manchester. Berries large; shape, globular; color, bright scarlet; quality, first-class, vigorous, hardy and productive. Doz., 40c.; 100, 75c.; 1000, \$3.00.

LIDA (*new*). Medium early, large size, firm flesh, very productive. Doz., 75c.; 100, \$1.00; 1000, \$5.00.

CRIMSON CLUSTER. Splendid new market berry, very large; rich crimson. Doz., 75c.; 100, \$4.00.

May King. Fine. Doz., 40c.; 100, 75c.; 1000, \$3.00.

Jersey Queen. Large and beautiful, ripening late; excellent form and color. Doz., 75c.; 100, \$1.00; 1000, \$4.00.

BOMBA. Very early. Doz., 75c.; 100, \$4.00.

MAMMOTH. New and fine. Doz., 75c.; 100, \$1.00.

GANDY'S PRIZE. Latest. Doz., \$1.00; 100, \$4.00.

PARRY. This variety is a seedling from Jersey Queen, and possesses all the merits of its mother parent, with a perfect blossom, thus insuring a crop of fruit under all circumstances, uniting large size, beauty, quality, firmness, vigor and productiveness. Doz., 50c.; 100, 75c.; 1000, \$3.75.

Glendale. The best late. Large scarlet, very firm, good flavor; highly prolific, succeeding on poor and rich soil. Doz., 50c.; 100, 90c.; 1000, \$3.00.

Longfellow. Large, smooth, regular, deep crimson; firm and sweet. Doz., 60c.; 100, 75c.; 1000, \$3.00.

Albany. (*Wilson's*.) Very hardy, productive; fruit good size, crimson; brisk, acid flavor. 100, 60c.; 1000, \$3.00.

Charles Downing. Vigorous, productive; large, deep scarlet; firm, juicy, sweet. 100, 60c.; 1000, \$3.00.

Crescent Seedling. Berries medium to large, bright red, and of good quality. 100, 60c.; 1000, \$2.50.

Kirkwood Seedling, or Mt. Vernon. Grows very large; color, bright scarlet. 100, 60c.; 1000, \$3.00.

Sharpless' Seedling. Very large, oblong, clear, light red, hardy, vigorous habit. 100, 60c.; 1000, \$3.00.

Monarch of the West, Agriculturist, Kentucky, Captain Jack, Miner, Windsor Chief and other good varieties. 100, 75c.; 1000, \$3.00.

RASPBERRIES.

Postage.—If to be sent by mail, add 10c. per dozen; 20c. for 50, and 40c. per 100, to prepay postage.

GOLDEN QUEEN. The latest novelty, handsome yellow fruit, very firm, sweet and solid; hardy and productive. Doz., 90c.; 100, \$3.00.

Souhegan. A new black cap variety, very early, hardy, vigorous and productive. Doz., 60c.; 100, \$1.50.

Hansell. A vigorous grower, enormously productive, and extremely hardy; fruit bright crimson, of superior quality and very firm. Doz., 75c.; 100, \$1.50.

Cuthbert, or Queen of the Market. Bright red, luscious, firm and large. Doz., 60c.; 100, \$1.25.

Brandywine, Gregg, Crimson Beauty, Doolittle, Thornless, Bristol, Ohio. Each, doz., 75c.; 100, \$1.50.

BLACKBERRIES.

Postage.—If ordered by mail, 10c. per dozen; 25c. for 50; 45c. per 100 must be added for postage.

WILSON JUNIOR. The largest early variety in cultivation; very robust and productive. Doz., 75c.; 100, \$2.50.

Early Harvest. A new variety; the earliest; hardy, vigorous, productive. Doz., 75c.; 100, \$2.00.

EARLY CLUSTER. A new blackberry of strong growth; very large and fine. Exceedingly productive, healthy and hardy. Doz., 7c.; 100, \$2.50.

LUCRETIA DEWBERRY. Doz., 75c.; 100, \$3.00.

Early Dorchester, Early Wilson, Kittatinny, Lawton, Snyder. Each, per doz., 60c.; 100, \$1.50.

CURRENTS.

Postage same as for Raspberries.

Black Naples. Suitable for jams. Doz., 75c.; 100, \$2.50.

Cherry. Dark red, large fruit. Doz., \$1.00; 100, \$5.00.

Red Dutch. Dark red. Doz., 75c.; 100, \$4.00.

White Grape. Large, white. Doz., \$1.00; 100, \$5.00.

Fay's Prolific. (*New*.) Each, 30c.; doz., \$2.50.

FRUIT SEEDS.

Remit for postage, 8 cents per pound, or 15 cents per quart, when ordered to be sent by mail.

Peach Pits. Pure Southern, natural or seedling. Qt., 15c.; bush., \$2.00. **Apple Seed.** Qt., 35c.; bush., \$7.00. **Apricot Pits.** Oz., 10c.; lb., 75c. **Cherry Pits.** (*Mazzard*.) Qt., 40c.; bush., \$8.00. **Plum Pits.** Qt., 40c.; bush., \$8.00. **Pear Seeds.** French Imported. Oz., 25c.; lb., \$2.00. **Quince Seed.** Oz., 25c.; lb., \$2.50. **Mulberry.** White or Black. Oz., 25c.; lb., \$2.50.

LAWN * MOWERS.



PENNSYLVANIA HORSE LAWN MOWER.

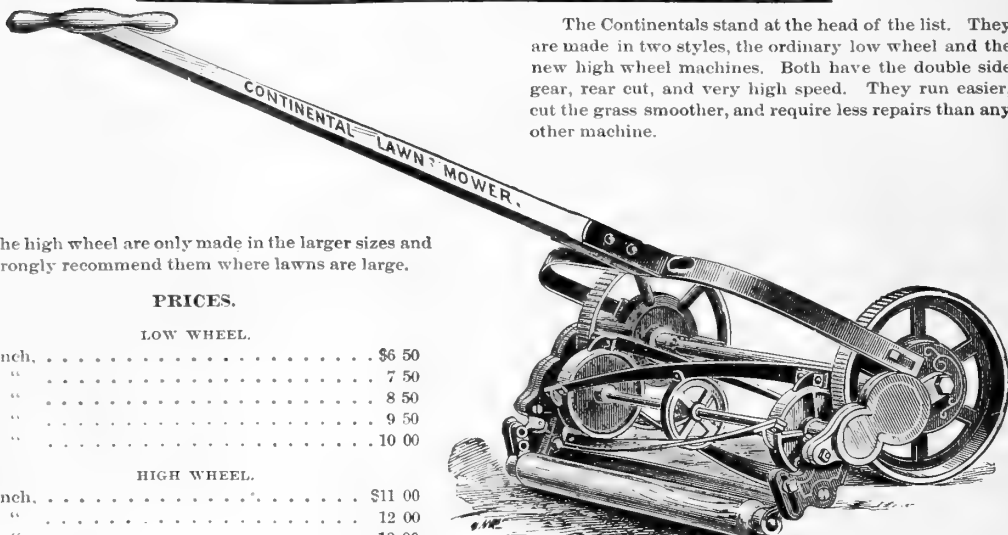
The Pennsylvania Horse Lawn Mower.

These machines have an open cylinder and all the bearings and knives are made of solid cast steel. They are substantially built and will give better satisfaction than any other mower on the market.

PRICE LIST.

With Draft Irons only,	\$67 00
With Seat and Shafts,	77 00
Solid Cylinder, Draft Irons,	62 00
“ “ Seat and Shafts,	72 00

The New Continental Hand Lawn Mowers.



The Continentals stand at the head of the list. They are made in two styles, the ordinary low wheel and the new high wheel machines. Both have the double side gear, rear cut, and very high speed. They run easier, cut the grass smoother, and require less repairs than any other machine.

The high wheel are only made in the larger sizes and we strongly recommend them where lawns are large.

PRICES.

LOW WHEEL.

10-inch,	\$6 50
12 “	7 50
14 “	8 50
16 “	9 50
18 “	10 00

HIGH WHEEL.

15-inch,	\$11 00
17 “	12 00
19 “	13 00
21 “	14 50

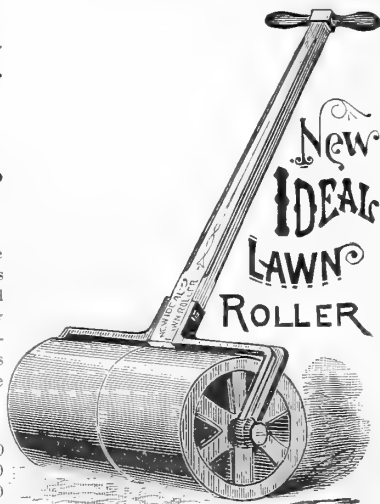
HIGH WHEEL CONTINENTAL LAWN MOWER.

The Quaker City Lawn Mowers.

THE CHEAPEST GOOD MOWER MADE.

These machines are made of the best material, but the knife is placed directly under the central bar of the machine, consequently does not adjust itself to unevenness in the ground as readily as those with the rear cut. Note the low prices.

10-inch,	\$5 00
12 “	6 00
14 “	7 00
16 “	8 00



Lawn Rollers.

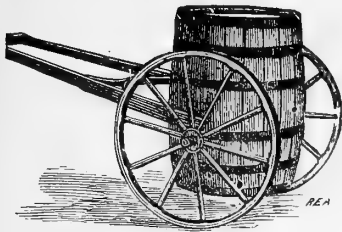
No lawn can be made perfect without the liberal use of the roller. The action of freezing and thawing causes the ground to heave, and if it is not firmly pressed back with a roller before hot weather the grass is apt to be killed or injured. Our Ideal Rollers are made to our own order, and we think are perfect. Being in two sections, they turn easily without injury to the walk or turf.

PRICES.

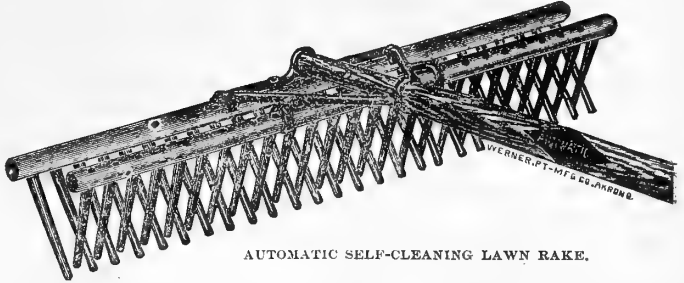
No.	Diameter.	Width.	Weight.	
0.	10 in.	15 in.	130 lb.	\$6 50
1.	12 “	18 “	200 “	8 00
2.	15 “	22 “	300 “	10 00

HORSE ROLLER.

No. 3 is furnished with spring seat and shafts, 25 in. diameter, 36 in. wide, weight 600 lbs., \$35.00.



HAND WATER TRUCK AND BARREL.



AUTOMATIC SELF-CLEANING LAWN RAKE.

WATER TRUCK AND BARREL.

This is an indispensable machine for carrying swill or water; a sprinkler can be attached for sprinkling walks or roads, or a force pump can be fastened for throwing a stream over fruit trees or flower beds. The weight is raised easily and balanced over the axle. Price, with $1\frac{1}{4}$ -inch wheels, \$9.50; $2\frac{1}{2}$ -inch wheels, \$11.50; 4-inch wheels, \$13.00. Sprinkling attachment extra, \$3.00; force pump extra, \$7.00.

MOLE TRAPS.

To stop the ravages of these pests of the lawn or flower bed, we offer the following traps. The "Perfection" is the best trap made. Prices, Perfection, \$2.25; Olmstead's, \$1.50; Mabbet's, \$1.50; English, 35 cts.

LAWN RAKES.

The ordinary steel tooth rake should never be used on a fine lawn, as it tears up and injures the roots. We illustrate two good rakes not open to this objection. The steel wire (see bottom of page) is strongly recommended. The wooden Automatic Self-Cleaning Rake (see top of page) is an excellent rake, and automatically keeps itself clear of leaves and grass. Price, Wire, 60 cts.; Automatic, 75 cts.

Rickertson's Weeding Tongs. (See cut.) For weeding lawns without destroying sod, removes whole roots. Price, \$1.50.

Daisy Grubber or Lifter (see cut), \$1.25. **Dock Extractor**, \$2.00.

Shears. Grass Border, 8-inch, \$2.25; 10-inch, \$2.75.

" " " with wheel, 8-inch, \$2.75; 10-inch, \$3.00.

" Hedge notched, 8-inch, \$1.50; 9-inch, \$1.75; 10-inch, \$2.00

Grass Hooks. American, 30 cts.; English, 45 cts., 55 cts., 60 cts.

Lawn Scythes. English, 30-inch, \$1.25; 34-inch, \$1.35; 36-inch, \$1.50.

Scythe Snathes. Improved, 75 cts.

" **Stones.** Darby, 10 cts.; Telacre, 20 cts.

Turf Edgers. English, 8-inch, \$1.50; 9-inch, \$1.75; 10-inch, \$2.00.

Grass Shears. (See cut.) American, 65 cts.; English, \$1.00.

Lawn Sprinklers. (See cut.) Peck's 4-arm, \$4.00; 8-arm, \$5.00; ball and basket extra, \$3.00.

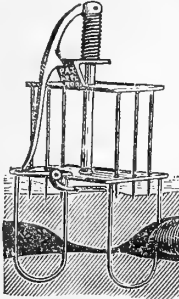
Pruning Saws. 18-inch, 75 cts.; 20-inch, \$1.00.

Watering Pots. Made of extra heavy tin, well japanned inside and out, with iron hoop on bottom and two copper-faced roses, coarse and fine. Warranted better than any pot on the market. Price, 4-qt., \$1.40; 6-qt., \$1.75; 8-qt., \$2.25; 12-qt., \$2.55; 16-qt., \$3.00.

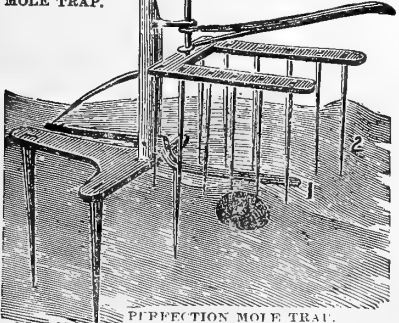
Watering Pots. Galvanized Iron. (See cut.) The body and spout of this pot is stamped out of one piece of galvanized iron. For strength and durability they cannot be surpassed. Price, 6-qt., 75 cts.; 8-qt., \$1.00; 10-qt., \$1.35; 12-qt., \$1.50; 18-qt., \$1.75.



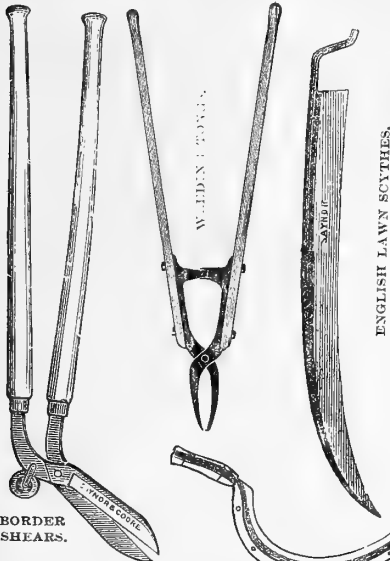
OLMSTEAD'S MOLE TRAP.



MABBET'S MOLE TRAP.



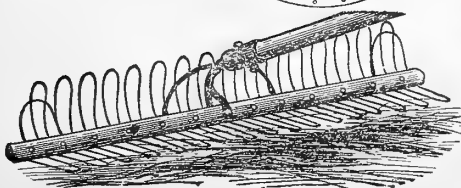
PERFECTION MOLE TRAP.



ENGLISH LAWN SCYTHES.



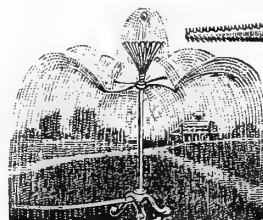
BORDER SHEARS.



WIRE LAWN RAKE.



TURF EDGER.



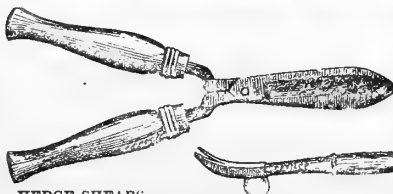
LAWN SPRINKLERS.



PRUNING SAWS.



GRASS SHEARS.



HEDGE SHEARS.

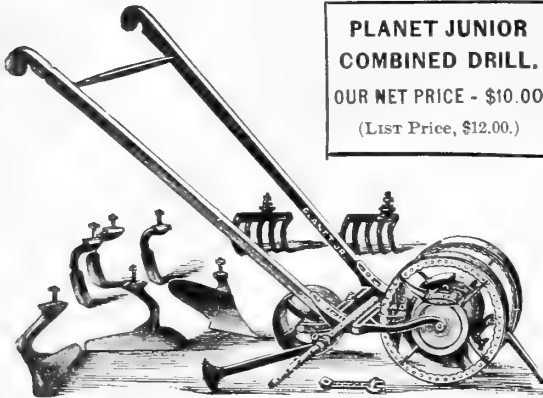


WATERING POTS.



DAISY GRUBBER.

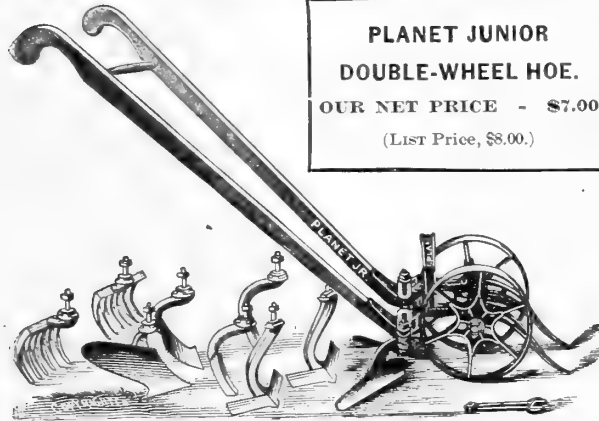
THE "PLANET JR." GARDEN TOOLS.



**PLANET JUNIOR
COMBINED DRILL.**

OUR NET PRICE - \$10.00

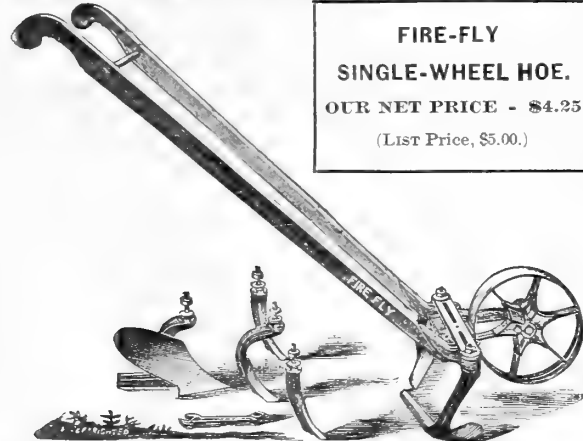
(List Price, \$12.00.)



**PLANET JUNIOR
DOUBLE-WHEEL HOE.**

OUR NET PRICE - \$7.00

(List Price, \$8.00.)



**FIRE-FLY
SINGLE-WHEEL HOE.**

OUR NET PRICE - \$4.25

(List Price, \$5.00.)



**Planet Junior
Horse Hoe.**

Price as shown \$8.00

"Planet Jr." Steel Horse Hoe.

The Planet Junior goods are widely and favorably known everywhere, the Combined Planet Drill being the most popular combined machine in the market. The entire line is well made, handsomely finished and their Cultivators are second to none.

THE "PLANET JR." NO. 2 DRILL holds $2\frac{1}{2}$ quarts. It will sow, with equal ease and accuracy, a single paper of seed or a full hopper, covering evenly at any exact depth and will roll down and mark the next row perfectly, all at a single passage. It has no cams, levers, brushes, cogs, springs or shapers. It is noiseless, automatic, self-cleaning and always reliable. Price, \$7.50.

THE "PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR AND PLOW. This most popular tool is unrivalled in beauty of design, perfection of finish, convenience and capacity for work. It is suitable for either the farm or garden. As a drill, it is exactly similar and equal to the No. 2, except in size. It holds one quart. As a plow, it opens furrows, covers them, hills, plows to and from, etc. As a hoe, it works safely and closely to and from both sides of the row at once, when plants are small, between rows as plants grow larger, working all rows from eight to sixteen inches wide at one passage. Price, \$10.00.

"PLANET JR." DOUBLE-WHEEL HOE, CULTIVATOR, RAKE AND PLOW COMBINED. Has the invaluable feature of tending both sides of the row at once. The wheels can be set four, seven or ten inches apart. It has a pair of hoes, a pair of plows, two pairs of cultivator teeth, a pair of rakes and a pair of leaf lifters, making it capable of every variety of gardeners' work. Price, \$7.00. Onion set gatherer, extra, \$1.25.

"PLANET JR." SINGLE-WHEEL HOE is considerably lighter than the Double, and is supplied with one pair of hoes, three reversible cultivator teeth, two narrow and one broad, a large garden plow and a pair of rakes. It is capable of a great variety of combinations and is admirably adapted to the use of small gardens. Price, \$5.50.

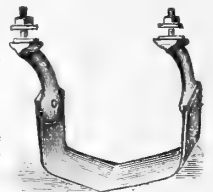
THE FIRE-FLY SINGLE-WHEEL HOE, CULTIVATOR AND PLOW COMBINED. It is light, strong and adjustable to quite a variety of work. It has two hoes which work either to or from the row, three cultivator teeth and one garden plow. Price, \$4.25.

THE FIRE-FLY WHEEL GARDEN PLOW. This little plow has been found very useful for gardeners and private families, in opening furrows, covering seed in drills and hilling growing plants. Price, \$2.00.

"PLANET JR." ONION SET HARVESTER.

A new and useful attachment which can be used on our Combined Drill and on all our Wheel Hoes, is a neatly formed Onion Set Harvester. It is used by passing it directly under the row from one and a-half to

two inches deep. It thoroughly loosens the crop without scattering the bulbs, and leaves them in the best possible condition for easy handling, saving much labor and time. Price, \$1.25.

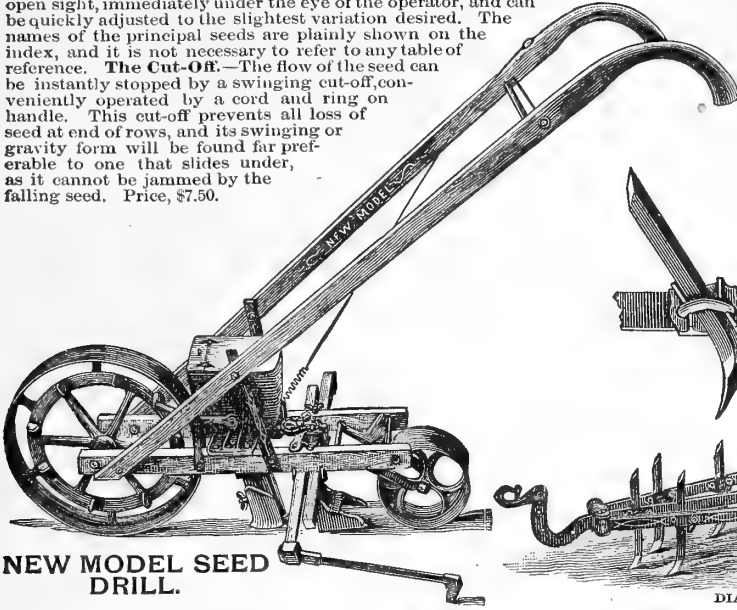


ONION SET HARVESTER.

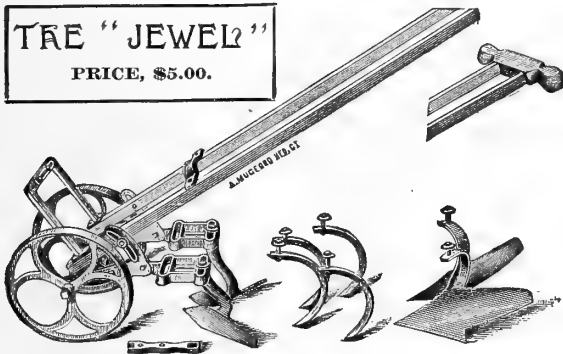
"PLANET JR." HORSE HOE AND CULTIVATOR. The frame is made entirely of steel and the entire tool is finished in a superior manner. With its great number of combinations it is a most useful tool for the farmer and truck gardener. By removing the two forward teeth and the rear steel, and attaching in place of the latter the covering roller, the machine is equipped for covering corn, potatoes or other seed, covering the seed and rolling at one passage. Prices: Horse Hoe only, \$7.00; Wheel, extra, \$1.00; Covering roller, \$2.50; Celery earthing attachment, \$3.50; Furrowing steel, \$1.75; Marking attachment, \$2.00; Sweeps, per set of three, 2-10 inch and 1-12 inch, \$1.10; Set, $1\frac{1}{4}$ inch teeth, 55c.

THE NEW MODEL SEED DRILL.

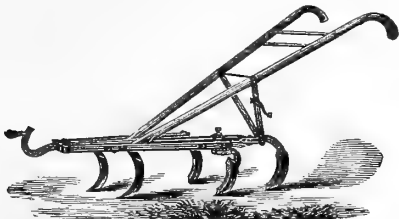
The "New Model Seed Drill" will sow any kind of seed, in size from Sweet Marjoram to beans, with the most perfect accuracy and ease. The Index for regulating the flow of the seed is placed in open sight, immediately under the eye of the operator, and can be quickly adjusted to the slightest variation desired. The names of the principal seeds are plainly shown on the index, and it is not necessary to refer to any table of reference. The Cut-Off.—The flow of the seed can be instantly stopped by a swinging cut-off, conveniently operated by a cord and ring on handle. This cut-off prevents all loss of seed at end of rows, and its swinging or gravity form will be found far preferable to one that slides under, as it cannot be jammed by the falling seed. Price, \$7.50.

**NEW MODEL SEED DRILL.****THE "JEWEL"**

PRICE, \$5.00.

**"Jewel" Double-Wheel Hoe, Cultivator and Plow Combined.**

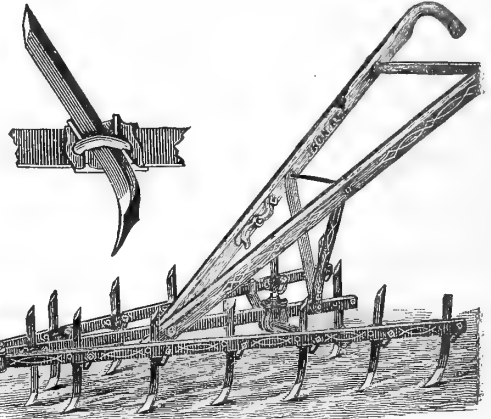
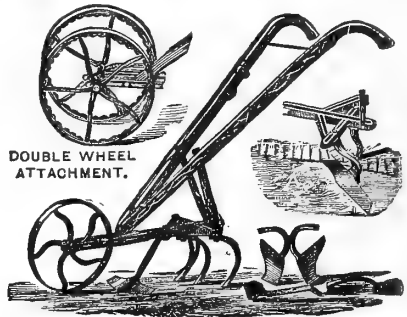
The "Jewel" is capable of being quickly adjusted in depth or width of working or height of handles. As shown in cut it is provided with four slender stirring teeth, each one made of one piece of steel, unexcelled for thorough work, especially in hard soil; one pair of curved side hoes, particularly intended for use among small plants; also a pair of plows for throwing to or from the row or for opening furrows. The standards of these hoes and plows are of malleable and wrought iron. The entire frame is made of malleable iron, the handles of wood making it an exceeding light and strong tool, and one pleasant to handle as well. It is carefully made, handsomely finished, and weighs but 22 pounds. Price, \$5.00.

**IRON AGE HORSE CULTIVATOR.**

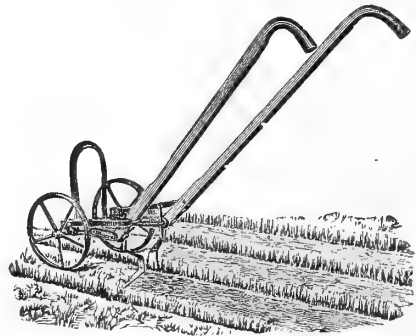
Horse Cultivator,	\$3.00
Horse Hoe, with Wheel,	5.00
Horse Hoe, complete, with Wheel and Leveller,	6.00
Adjustable Weeders, per pair,	2.00

DIAMOND TOOTH HARROW AND CULTIVATOR.

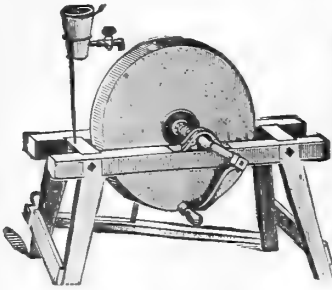
Is without question the most useful, valuable and efficient tool for market gardeners and farmers that has yet been introduced. The teeth are of steel, diamond-shaped, forged at one end and much smaller and twice as numerous as in all other harrows, thus making it far more valuable than any other similar tool for cultivating plants when they are small. Price, \$4.50.

**DIAMOND TOOTH HARROW.****DOUBLE WHEEL ATTACHMENT.****Gem of the Garden Hand Wheel Hoe and Cultivator.**

An excellent tool, fitted with scuffle hoes, cultivator teeth and plows. Two styles, single and double wheel. Price, Single-Wheel Gem, \$4.50; Double, \$5.00.

**McGEE GARDEN CULTIVATOR AND SPRING HOE.**

A marked difference between this and all other wheel hoes is a lateral spring, by means of which adjustment to any irregularities in the row are instantly and easily made. The high arch adapts it admirably to the cultivation of both sides of the rows. Each tool has a pair of knives or hoes and cultivator teeth. Price, \$5.00.

**GRINDSTONES.**

These are finely finished stones with a durable sharp grit.

No. 3, 18 in. diameter, . . .	\$4 00
" 2, 20 " " " " " " " " " "	4 50
" 1, 24 " " " " " " " " " "	5 00
" 0, as shown in cut with treadle and brass nozzle water bucket	
	7 00

**SHORT HEAD DOUBLE HARPOON HAY FORK.**

We claim several points of superiority for our style of Harpoon Fork. No other one has the arms protected by folding into the head, as is the case with our make. There is no better made, \$1.50.

GARDEN WHEELBARROWS.

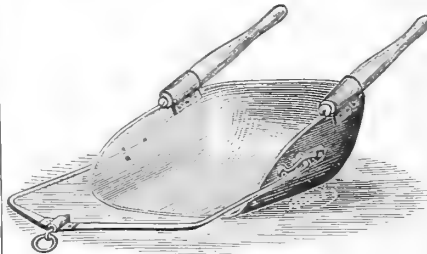
These are strong, well built, and have Jacob's Patent Wheel. They are shipped "knocked down," so freight will be small.

Price, No. 2, \$3.75; No. 3, \$4.00; No. 4, \$4.25.

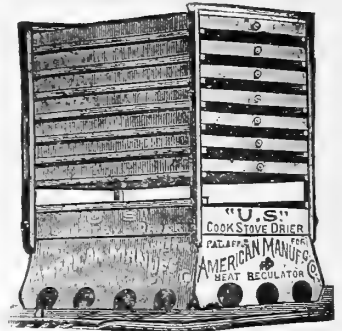
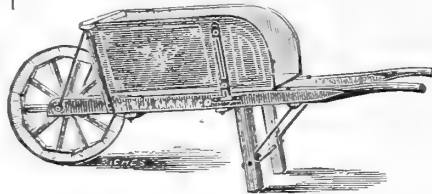
**FARMERS' BOILERS,**

For Cooking Food for Cattle, Horses or Chickens.

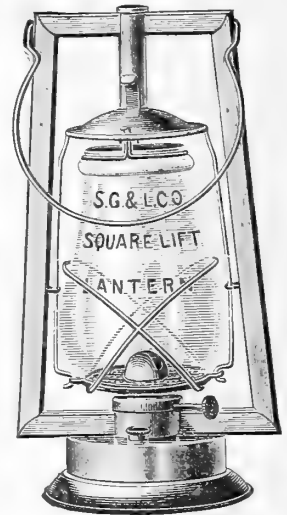
	FOR WOOD.	FOR COAL.
15 gallons, . . .	\$12 00	\$14 75
22 " " " " " " " " " "	15 00	18 00
30 " " " " " " " " " "	19 20	23 50
45 " " " " " " " " " "	26 00	31 00

**SOLID STEEL DIRT SCRAPER.**

These scrapers are stamped out of a solid sheet of steel and will outwear any similar scoop in the market. For digging or grading they are unexcelled. Price, \$8.00.

**COOK STOVE FRUIT DRYER.**

This dryer is made to stand on your stove or range; has a handsome metal base, and is fitted with eight galvanized wire cloth trays. Will enable you at odd hours to evaporate enough fruit for family use all winter. Price, \$6.50.

**TUBULAR LANTERNS.**

The best stable lanterns made; the globe lifts up to be lighted, and the glass is protected by strong wire guards. Price, 55c.

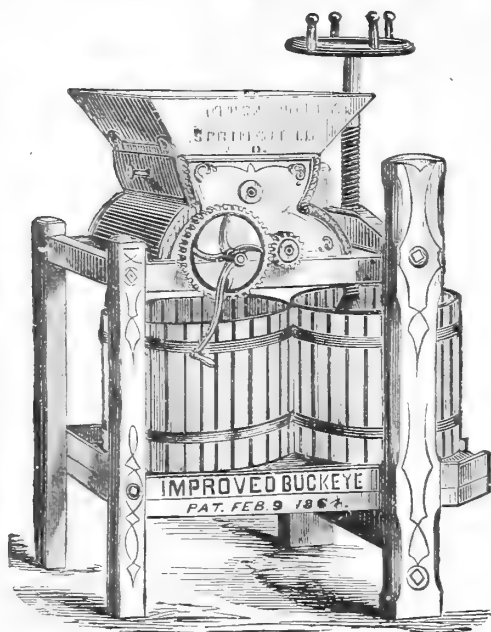
THE ADVANCE PLOW.

The Best on the Market.

**PRICES OF ADVANCE PLOWS.**

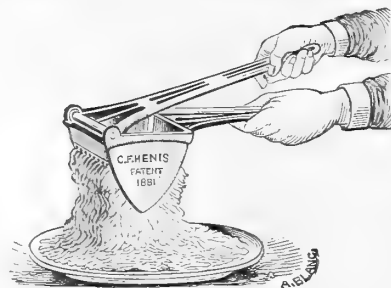
No. 28,	\$5 00
" 30,	6 00
" 31, full rigged, . . .	9 00
" 32 (see cut), . . .	12 00
" 33, full rigged . . .	13 00
" 34, " " " " " " " " " "	14 00
" 36, left-hand, . . .	14 00

CIDER MILLS AND FRUIT PRESSES.



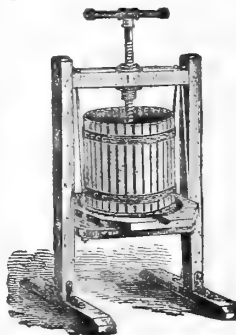
BUCKEYE CIDER MILL.

We show above a cut of our improved Cider Mill. We have two sizes of this pattern. They have a large upper roller furnished with sharp projecting ribs which cut the apples into pieces sufficiently small to be readily received between the lower rollers. The two lower crushing rollers are cast with ribs and grooves, and these draw in the pieces prepared by the upper roller, and by this means the fruit is thoroughly mashed, breaking all the cells of the apple, and making the subsequent labor of pressing much easier and more effective. Both the upper and lower rollers are adjustable, and can be set to mash grapes without breaking the seeds. Price, Junior, \$13.00; Senior, \$24.00.



FRUIT PRESS AND VEGETABLE STRAINER.

This is a perfect little house tool, and combines in small space an excellent fruit press, jelly press, collander and vegetable strainer. As a potato masher, it excels anything ever before offered, making them almost without effort as flakey and light and thoroughly mashed as after long effort the old way. Price 40 cts.; by mail, 60 cts.



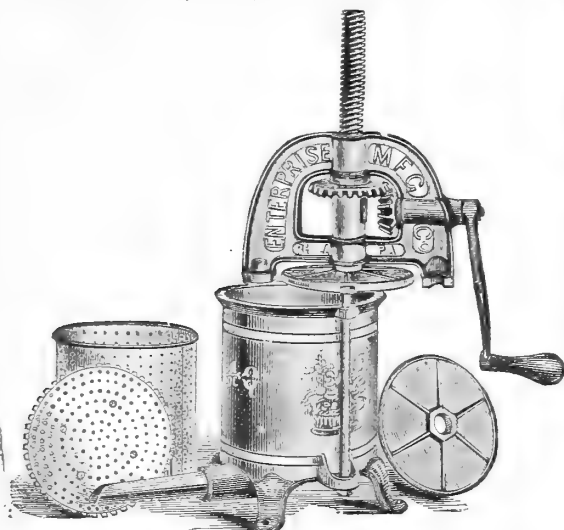
CIDER, WINE AND LARD PRESS.

WINE AND LARD PRESSES.

These presses are strongly made and nicely finished. Very convenient for pressing grapes, apple pomace or lard.

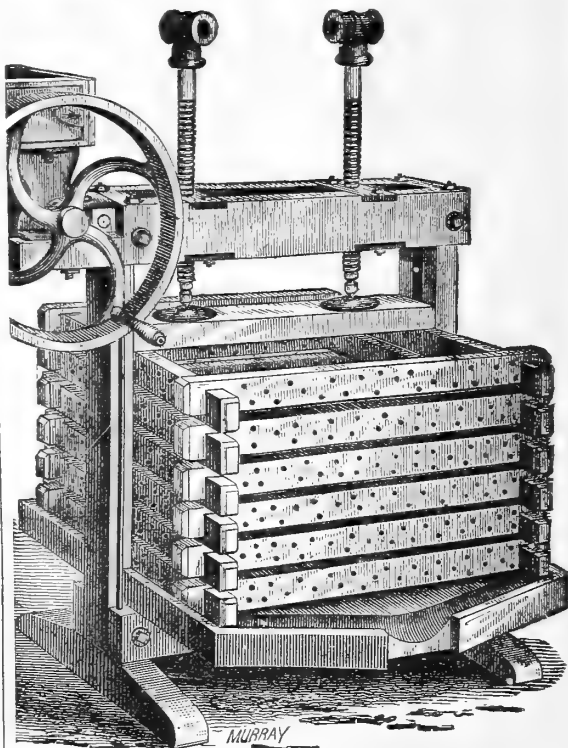
PRICES.

No. 1	\$4 50
" 2	6 00
" 3	10 00
" 4	22 00



COMBINED SAUSAGE STUFFER, LARD AND WINE PRESS.

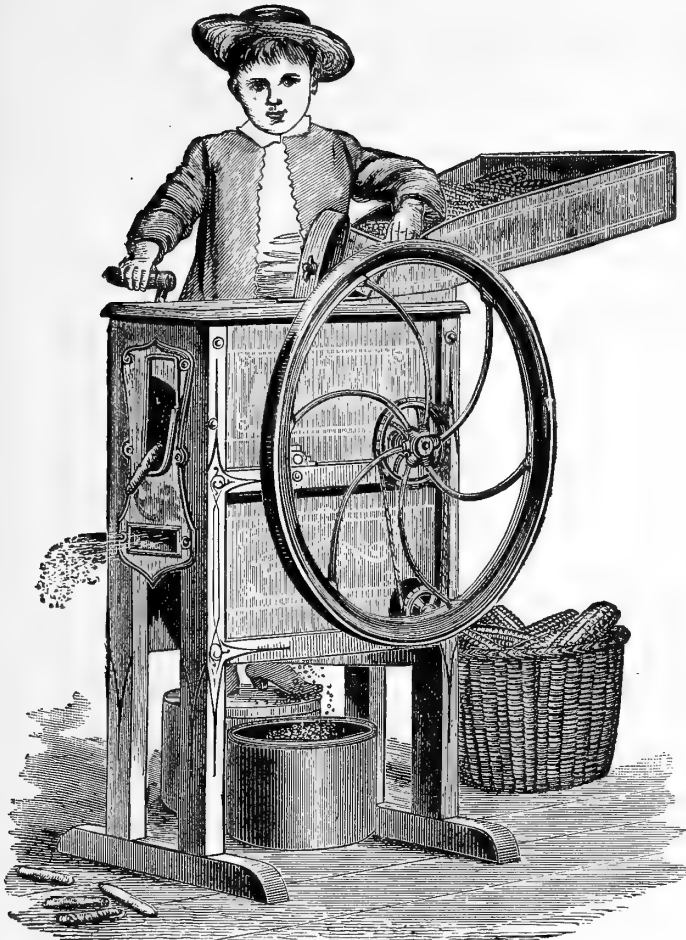
The above cut represents our sausage stuffer, fruit, lard and jelly press combined. For stuffing sausages, the tin strainer and bottom plate are to be removed. There are two plunger plates for each machine, the large one for stuffing and the small one for pressing. A cloth or bag should be used when pressing fruit or jelly to prevent the pulp or seed from passing through the holes in the strainer. Price, 2-qt., \$2.80; 4-qt., \$4.50; 8-qt., \$5.00.



LARGE CIDER PRESS.

We can supply large presses as above with capacity of from one to three barrels at a pressing. Price, complete, \$35.00; press only, \$25.00.

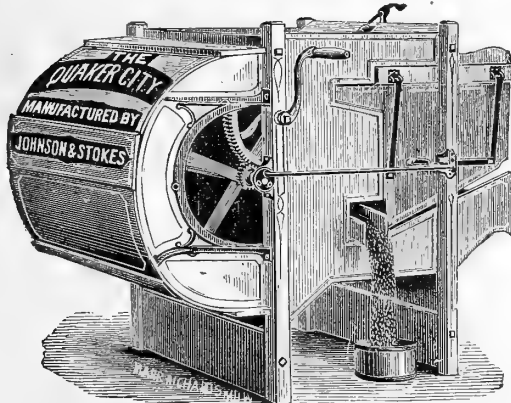
CORN SHELLERS.



Our \$11.00 Corn Sheller.

The Quaker City Farm Fanning Mill.

For cleaning and separating all kinds of grain we guarantee our mill to be equal to, and in fact superior, in all respects, to any now in use. The fan, with



boards, are so arranged that the wind strikes the hurdle in such a manner as to blow all foul stuff and light grain over the hurdle. The side spout delivers the No. 1 grain at the side, and the No. 2 grain at the front of the mill. The grader can be so adjusted as to separate and deliver through the side spout, a greater or less proportion of the best grain. The wheat screens and grader are so arranged as to effectually take out cockle, chess or cheat from Nos. 1 and 2 wheat.

All mills are furnished with one wheat screen and grader with side spout, one barley sieve, one oat or corn sieve, and timothy and clover sieves. Price, \$18.00.

We aim to keep a complete line of corn shellers of all sizes and of sufficient variety to satisfy any demand. All of the following are good, substantial machines and will "fill the bill" about in accordance with the price. Our "Prince" will be found a very satisfactory machine.

PRICE LIST.

Wood's Hand Sheller.

See illustration and description below. Small \$2.75; larger, \$3.00.

The "Clinton."

Where but a small amount of shelling is to be done, this will answer nicely. It is the best **very cheap** sheller we know of. Price, \$5.00.

The "Root" Single-Hole, Right-Hand Sheller

Is excellent in every respect. By "right-hand" is meant that one person can turn and feed the mill with ease. Price, \$8.50.

The "Corn King"

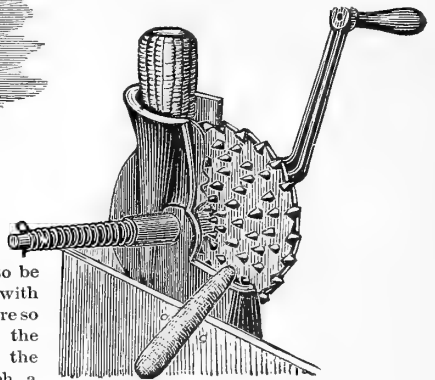
Is our new low-priced, high-grade, one-hole hand sheller. It is honestly made, with hard wood frame; has a fan and separates corn from cobs. Price, \$9.00.

The "Prince"

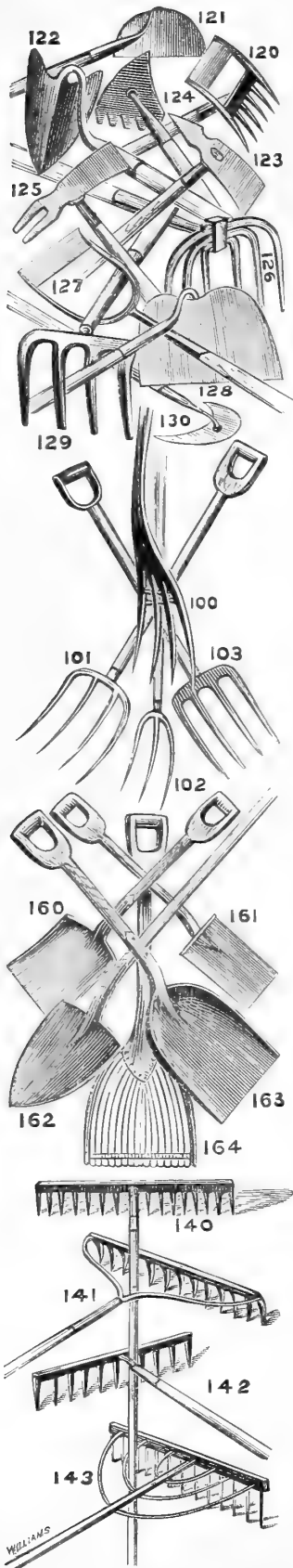
Is a single-hole sheller with feed-table and fan, and is the best hand sheller ever built. The frame is hard wood closely bolted, shafts all turned and all parts completely finished with the greatest care. It has wrought spoke balance wheel with extra heavy rim. Price \$11.00.

Wood's Hand Sheller.

Bolts to any box or bench and works perfectly, separating the corn from cobs. Price, small size, \$2.75; larger size, \$3.00.



WOOD'S HAND CORN SHELLER.



- FORKS.**
- 100. Stable, Hickory. 4 fingers, . . . 60
 - 101. Manure, D handle. 4-tine, 80c.; 5-tine, . . . 90
 - 102. Hay. 2-tine, 45c.; 3-tine, . . . 55
 - 103. Digging. 4-tine, 90c.; 5-tine, . . . 1 10

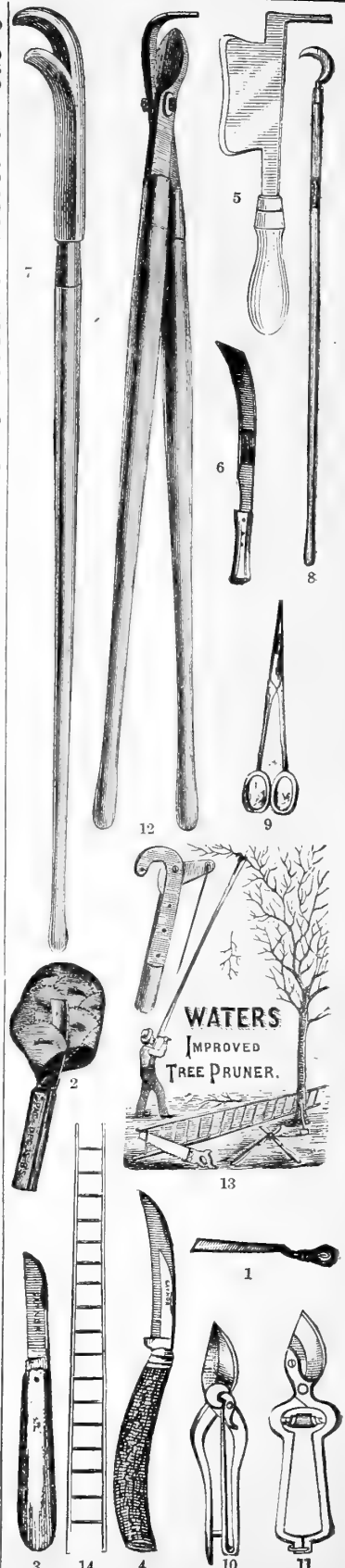
- HOES.**
- 120. Hoe and Rake Combined. 4 teeth, 55c.; 6 teeth, . . . 65
 - 121. Half Moon. 3-in., 35c.; 4-in., 35c.; 5-in., 40c.; 6-in., 50c.; 7-in., . . . 55
 - 122. Warren. Small, 50c.; large, . . . 60
 - 123. Single Prong, . . . 45
 - 124. Superb. New and fine, . . . 60
 - 125. Double Prong, . . . 50
 - 126. Hexamer. 6 prong, . . . 1 15
 - 127. Dutch Scuffle. 4-in., 35c.; 5-in., 45c.; 6-in., 55c.; 7-in., 60c.; 8-in., 65c.; 9-in 70c.; 10-in., . . . 80
 - 128. Square. Solid socket, 6-in., 55c.; 7-in., 65c.; 8-in., . . . 75
 - 129. Drag, . . . 50
 - 130. Crescent, . . . 60
 - Celery. 14 inch, . . . 1 75
 - Champion. Solid piece, . . . 45

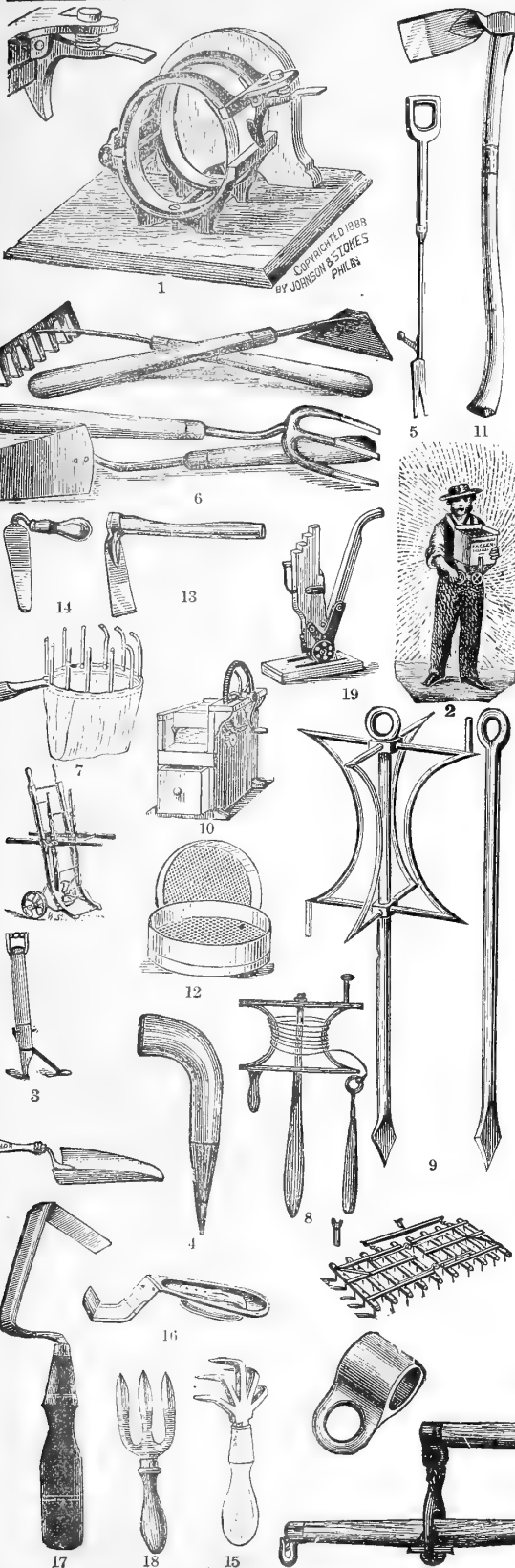
- RAKES.**
- 140. Steel Gravel Short Tooth. 14 teeth, 50c.; 16 teeth, . . . 60
 - 141. Bow. The best general rake made. 11 teeth, 50c.; 13 teeth, 60c.; 15 teeth, . . . 70
 - 142. Steel Garden. 6 teeth, 30c.; 8 teeth, 35c.; 10 teeth, 40c.; 12 teeth, 45c.; 14 teeth, . . . 50
 - 143. Hay. Wooden, . . . 30c. and Ladies'. Small, . . . 40
 - Lawn. Gem, 60c.; Davis, . . . 70
 - Automatic cleaners, . . . 75

- SHOVELS.**
- 160. Square Point, D handles. 65c to 1 00
 - 161. Spades. 65c. to . . . 1 10
 - 162. Round Point. Long handles, . . . 90
 - 163. Barn Scoops, . . . 1 00
 - 164. Steel Wire Potato Shovel, . . . 1 25

- CUTTING TOOLS.**
- 1. Knives, Asparagus. Bent blade, . . . 35
 - 2. " Curved and convex. . . . 30
 - 3. Potatoes. . . . 30
 - 4. Knives. Budding, Saynor's. Round point, \$1.15; straight, . . . 1 15
 - 5. Knives. Pruning. American, 60c., 70c. and 90c. English, . . . 1 15
 - 6. Knives. Grafting, with chisel, . . . 75
 - 7. " Hay, Lightning, . . . 1 60
 - 8. " Corn. For cutting corn . . . 35
 - 9. Knives. Double cutting, with handle, for cleaning out dead wood in berry bushes, . . . 1 00
 - Knives. I X L Pocket Knife, . . . 40
 - 10. " Vine cutter, for cutting sweet potato and similar vines, . . . 45
 - Grass Hooks. American, . . . 30
 - English, 45c., 55c., . . . 60
 - 11. Scissors, for flowers or thinning grapes, 6-in., \$1.00; 7-in., . . . 1 25
 - Scythes, English Riveted back, 30-in., \$1.15; 32-in., \$1.25; 36-in., . . . 1 35
 - Scythes, American, best steel, . . . 85
 - " Brush or Brier, heavy, . . . 85
 - " Snathes, improved, . . . 75
 - Shears, Grass Border (with wheel, 50c. extra), 8-in., \$2.25; 10-in., . . . 2 50
 - Shears, Hedge, notched, 8-in., \$1.75; 9-in., \$2.00; 10-in., . . . 2 25
 - 12. Shears, Perfection, Pruning, 7-in., \$2.00; 8-in., . . . 2 50
 - 13. Shears, German, Pruning, 8-in., \$1.00; 9-in., . . . 1 25
 - Shears, American, Pruning, . . . 75
 - " Grass, English, \$1.00; American, . . . 65
 - 14. Shears, Sylvan, with hook for pulling out the dead wood after cutting, . . . 1 50
 - Shears, Pelican Lawn Clippers, a new device for border shears, . . . 1 25
 - 15. Shears, Water's Tree Pruner. 4-ft., \$1.60; 6-ft., \$1.85; 8-ft., \$2.00; 10-ft., \$2.25; 12-ft., \$2.40; 14-ft., \$2.60; extra blades by mail, . . . 30

- LADDERS.**
- 14. Spruce Ladders, strong and well made, 20c. per foot, in following sizes: 8, 10, 12, 14, 16, 18, 20 feet.
 - Folding Ladders. Very convenient to carry, as they fold together, 8, 9, 10, 11, 12, 13, 14, 15 feet at 20c. per foot.
 - Sectional Ladder, in sections of 6 feet each, which fit into one other. Per section, . . . 1 65





Cut.

Each.

1. Asparagus Buncher, Acme. Our own make.
Four sizes, small, 3-in.; large, 4-in., \$2 00
- Bee Hives. Improved make, 5 00
2. Broadcast Seed Sowers (Cahoon's), 4 00
- Brush Hook. Handled, 1 25
- Corn Huskers. Per doz., \$1 00, 10
3. Corn Planters, Hand. Akron, 65c.; Fisk's, . 2 25
- Corn Shock Tyers. Enables one person to tie a large shock with ease, 50
4. Dibbles. Steel pointed, 60c.; improved brass, 65
5. Dock Extractor. For lifting large weeds up by the roots, 2 00
- Flails. Wooden swivel, 90c.; patent iron swivel, 1 00
6. Floral Sets for children and ladies, 60
7. Fruit Pickers. Picks fruit without bruising, 75
8. Garden Reels. Painted iron, small 75c., large, 1 60
9. " " Galvanized, single \$1.50, double 2 00
- Garden Lines, 90 ft., 50c.; 180 ft., 1 00
- Grafting Wax. ¼ lb., 12c.; ½ lb., 20c.; 1 lb., 30
- Hog Ringers (complete with gross rings), . . 45
10. Horse Radish Graters, 7 00
11. Mattock, or Sweet Potato Hoe, 1 25
- Plow Lines, 25c. and 30
- Pulleys, Cast Iron. For using with hay fork, 35
- " " Wooden. For using with hay fork, 1 00
- Rattan Brooms for stable. Small, 70c.; large, 80
- Saws, Pruning. Double cut, 1 00
- Seed Horns. For sowing light seed, 50
- Seed Tryers, German Silver. For sampling without injury to bags. Small, \$1.00; large, 1 50
12. Sieves, 20 in. in diameter, any mesh, . . . 75
- Thermometers, Tin. 7-in., 20c.; 8-in., 25c.; 9-in., 30
- " Dairy or Hot-bed, by mail, 30c. 25
13. Transplanting Hoe. For transplanting large plants, 60
- Trowels, American. 5-in., 12c.; 6-in., 15c.; 7-in., 20c.; 8-in., 25
- " English (steel). 6-in., \$1.00; 7-in., \$1.10; 8-in., 1 25
14. " Transplanting, 30
15. Weeders, Hand. Excelsior, 15
16. " " Laing's, 25
17. " " Hazletine, 25
18. " " 3-prong, American, 25c.; English, 1 60
19. Wagon Jacks, 1 75
20. Whiffletrees with self-fastening hooks. The best ever made.
- 30 inches long, with eyes, complete, 1 00
- 30 " " " " hooks, " 1 10
- Double tree, 36 inches long, and whiffletree, 30 inches long, with hooks complete, . . . 3 50

FERTILIZERS.

PURE PERUVIAN GUANO. No. 1. This is the highest and best quality of Peruvian Guano offered in America. It is ground, well sieved and all stones and coarse gravel entirely removed, enabling it to be sown with a grain drill with the same ease as ground bone or phosphate. 1 lb. box, 10c.; 5 lb. tin box, 40c.; bag of 200 lbs., \$6.75; ton, \$65.00.

A. A. 1, BONE PHOSPHATE. It is made of the very best materials, rendered entirely soluble and available for all growing crops. Our customers may depend that the standard of our A. A. 1 brand will be fully maintained. Bag of 200 lbs., \$2.75; ton, \$25.00.

PURE GROUND BONE. We know of no commercial manure that is better adapted for general fertilizing purposes. The sample we offer is of very fine quality and absolutely pure. It is especially valuable for applying on grounds intended for lawns, tennis or base-ball grounds. 5-lb. bag, 20c.; bag of 200 lbs., \$3.50; ton, \$33.00.

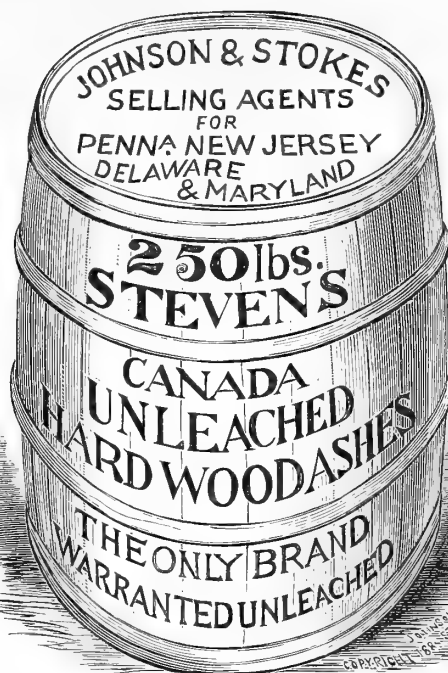
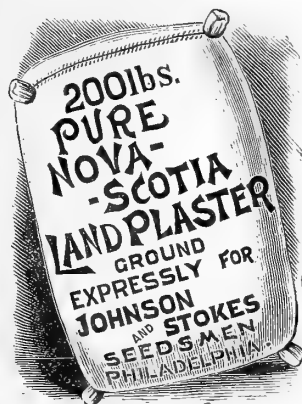
PULVERIZED SHEEP MANURE. The richest natural manure, excellent for mixing with soil for green-house use. For making a liquid manure it stands unrivalled, and as a lawn top dressing it is unequalled. 100 lb. bag, \$4.00; ton, \$50.00.

COTTONSEED MEAL AS A FERTILIZER. It possesses the highest order of merit for all vegetable crops, and as furnished by us is in its highest concentrated form. Either for drilling in the row with the seed, or for use as a top dressing it will be found equal to any \$40.00 phosphate upon the market. When used in connection with our **Canada Unleached Hard Wood Ashes**, say one-half of each thoroughly mixed, it makes an unrivalled potato or corn fertilizer. 100 lb. bag, \$1.90; bag of 200 lbs., \$3.50; ton, \$30.00.

JOHNSON & STOKES LAWN ENRICHER. This is an excellent, clean and convenient lawn dressing, which will never fail to produce a rich and luxuriant growth of grass wherever used. 5 lbs., 25c.; 25 lbs., \$1.00; 100 lbs., \$3.00.

BOWKER'S AMMONIATED FOOD FOR FLOWERS. Made especially for plants grown in the conservatory, house or garden; clean and free from offensive odor. Package, 30c.; dozen packages, \$3.50; 5-lb. bag, 30c.; 25 lbs., \$1.50.

LAND PLASTER, PURE NOVA SCOTIA. Largely used for mixing with Paris Green. Bag of 200 lbs., 90c.; ton, \$8.50.



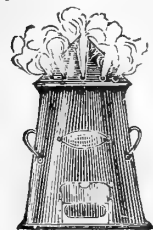
Canada Unleached Hard Wood Ashes.

We are now selling large quantities of **Canada Unleached Hard Wood Ashes**, and recommend them very highly as a fertilizer for lawns and small fruits and fruit trees, and old worn out soils. Potash, Phosphoric Acid and Lime are its valuable ingredients. For fruit and vegetable culture from three to eight hundred pounds per acre should be used. For lawns and pasture lands from one to three tons per acre can be used to advantage according to the existing conditions. Prices: screened, \$1.50 per 100 lbs.; in bbls. about 250 lbs., at \$3.00 per bbl.; \$20.00 per ton; special prices in car-load lots, delivered at your station.

INSECT DESTROYERS.



HAMMOND'S SLUG SHOT. An insecticide of well-known virtue, in the form of a very fine powder; for the cut worm, caterpillar, currant and gooseberry worm and curculio it is invaluable. It will also destroy many other insects infesting trees, plants, vines, etc. 5-lb. package, 25c.; 100 lbs., \$4.00; bbl. of about 225 lbs., 3 1/2c. per lb.



EUREKA FUMIGATOR, Galvanized. The best known apparatus for fumigating green-houses, grape-ries and buildings. Self acting, perfectly safe; made of extra heavy sheet iron, galvanized. Directions for operating sent with each.

No. 1, height, 12 in., diameter at top, 7 in., \$1.25; No. 2, height, 16 in., diameter at top, 7 in., \$2.00; No. 3, height, 20 in., diameter at top, 9 in., \$2.50; No. 4, height, 24 in., diameter at top, 12 in., \$3.50.

EDDY'S PARIS GREEN DISTRIBUTOR. For dusting Paris Green and Plaster. The weight is carried by a strap across the shoulder. The best device we know of. Price, \$2.00.

PERSIAN INSECT POWDER (Dalmatian). Lb., 50c.; by mail, 65c.



PARIS GREEN. Warranted strictly pure. 1-lb. can 25c.; 5-lb. can, \$1.15; 14-lb. can, \$2.95; 28-lb. can, \$5.60.

SOLUBLE FIR TREE OIL. A preparation of high merit for destroying insects or parasites on both the foliage and roots of plants. Full directions with each package. Small bottle, 25c.; qt., \$1.25; gal., \$4.50.

WHALE OIL SOAP. Successfully used for destruction of all insects infesting trees, plants, vines, etc. Lb., 10c.; 10 lbs., \$1.00; bbl., 6c. per lb.

CARBOLIC ACID SOAP. This is a compound of whale oil and carbolic acid, and is more effectual than the pure Whale Oil Soap. Package, 10c.; by mail, 15c.

GISHURST'S COMPOUND. A well-known English remedy for destroying all insects infesting plants. Box, 65c.; by mail, 90c.

PURE WHITE HELLEBORE. This is the cheapest and best preparation for destroying rose, slug and currant worms. Lb., 35c.; by mail, 55c.

TOBACCO STEMS. For fumigating green-houses. 1-lb. package, 8c.; bbl., \$1.00; bale of about 250 lbs., \$1.50; 2000 lbs., \$8.00.

BELLOWS for dusting Slug Shot or other insecticides on plants. Small size, 60c.; single cone, \$1.00; Woodasen's double cone, \$3.00; atomizer, \$2.00.

TOBACCO DUST. Largely used by market gardeners for destroying the cabbage fly and louse. 5 lbs., 25c.; 100 lbs., \$3.00.

SULPHUR (Flowers of). Used for fumigating green-houses and conservatories. Lb., 8c.; 10 lbs., 75c.



DAIRY SUPPLIES.

REID'S PEERLESS CREAMERY.

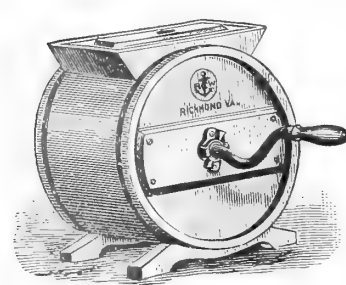
The Peerless Creamery is more especially intended for water alone. The cans are ob-long, 14 inches long, 5 inches wide and 14 inches deep, thus giving larger cooling surface. We have a large ice space in rear of and also between the cans; in the No. 4 we have the space between the two middle cans seven inches; also, in the other sizes we have a large space between second and third, fourth and fifth and sixth and seventh. In these, as in the round can creamers, we use a straight faucet underneath, which is easily cleaned. The glass to observe the cream is in the nut and not in the can, so is easily repaired if accidentally broken.

No. 00 HAS 9 QT. CANS, ALL THE OTHER SIZES HAVE 18 QT.

No.	No. of Cans.	No. of Cows.	Price.
No. 00	2	1 to 3	\$22.00
2	2	4 to 6	27.00
3	3	7 to 9	33.00
4	4	10 to 12	40.00
5	5	13 to 18	52.00
6	6	19 to 24	64.00
7	10	25 to 30	75.00
*8	12	31 to 36	85.00

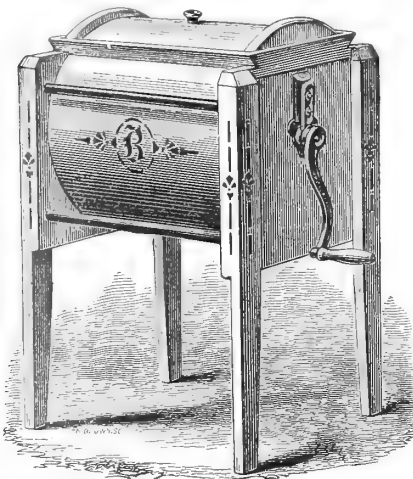
All goods crated and delivered on board of cars free of charge. Freight to be paid by purchaser. *No. 8 has two rows of cans.

NEW CYLINDER CHURN.



The New Cylinder Churn is substantially made of White Cedar and bound with galvanized hoops, and has our patent water-tight crank. The dasher is removable and is guided to its proper position while inserting the handle. No special stand is required; the churn can be easily operated on a table, chair, bench or box,

No. 1	Capacity.	2 gals.	\$2.00
" 2	"	4 "	2.50
" 3	"	7 "	3.00



THE BLANCHARD CHURN.

No praise of ours is needed in describing a churn which has been used and endorsed by the best dairymen of the country for the last forty years.

They are made in the most durable manner from the very best kiln-dried stock. There is a ventilator in the top of each churn. The dasher is simple, easily removed, easily cleaned and easily operated. Its shape and action are

such as to cause agitation of the cream by creating currents, and not by beating or by friction of the cream, which may injure the grain of the butter. By experiments with one of these churns made entirely of glass, it has been demonstrated that the form and motion of the dasher perfectly aerate and agitate the cream, bringing the butter at the proper time and in the best possible condition. This result cannot be obtained from churns which from their action require them to be air-tight.

No. 3,	churns	2 gallons	\$5.50
" 4,	"	4 "	6.50
" 5,	"	8 "	7.00
" 6,	"	12 "	8.50
" 7,	"	16 "	10.00



SPAIN'S PATENT CHURN.

The Spain Churn is made of white cedar and bound with galvanized iron hoops. A special form of dasher arranged to produce the best effect in operation. A large opening through which the dasher can be removed, admitting of thorough cleansing and ventilation of both dasher and churn. An arrangement by which the dasher is guided to its proper position in the churn, where it remains, without other support, while inserting the handle. Patent stands are sold with Spain's Churns; they can be folded up and put away, occupying but a small space.

NOTE.—The churning capacity, as given below, represents one-half the full gauge of the churn.

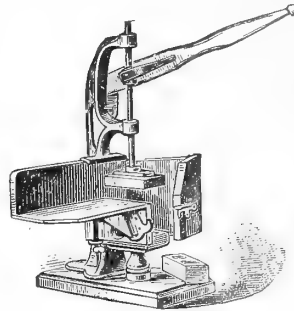
PRICE LIST.

(Including Patent Stands).

ONE CRANK.			
No. 1,	churns	9 quarts	\$5.00
" 2,	"	15 "	5.50
" 3,	"	20 "	6.00
" 4,	"	24 "	7.00
" 5,	"	32 "	8.00
" 6,	"	44 "	9.00

TWO CRANKS.			
No. 6,	churns	44 quarts	\$10.00
" 7,	"	60 "	13.00

LEVER BUTTER PRINTING MACHINE.

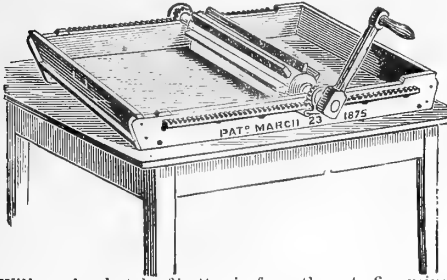


LEVER BUTTER PRINTER.
inches wide. Special sizes can be made to order.

PRICE LIST.

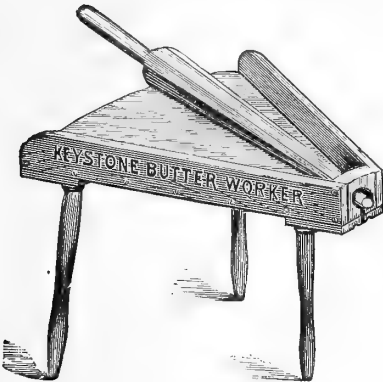
Pound or half-pound machine, \$9.00; extra pound or half-pound attachment, \$4.00; print-block, with initial or monogram, \$1.00 extra.

Made of selected cherry lumber, connected with brass screws and with iron parts galvanized. The hopper is adjustable, and can be freely taken off the frame by turning the hand-wheel. The latch has a long bearing which secures it from opening while printing. The "Keystone" is adapted to weigh and print simultaneously if desired. The one pound machine is arranged for prints 4 3/4 inches long by 2 1/4 inches wide; the half pound machine for prints 3 3/4 inches long by 2 1/4

REID'S BUTTER WORKER.

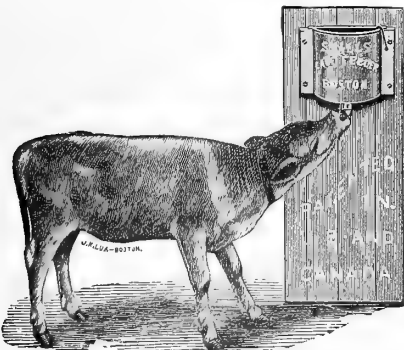
Will work a batch of butter in from three to five minutes, according to the condition of the butter, working out the buttermilk and thoroughly mixing in the salt, doing the work far quicker and better than it can be done by hand. It consists of a tray and a roller with paddles which is turned by a crank and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity, and without injuring the grain.

No.	Capacity.	Price.
1.	50 lbs.	\$9 00
2.	30 "	7 00
3.	20 "	6 00
4.	10 "	5 00

KEYSTONE BUTTER WORKER.

The Keystone Butter Worker is made of well selected and thoroughly seasoned lumber, securely fastened together with screws. It is fitted with three legs, which insures a steady position wherever placed. The legs being removable, it can be stored away in a small space when not in use.

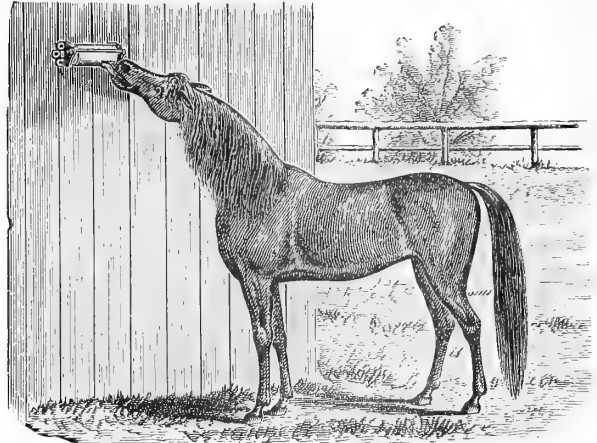
No. 1.	24 inches wide, 20 pounds capacity,	\$5 00
" 2.	32 " " 32 " "	7 00
" 3.	44 " " 75 " "	10 00

**SMALL'S CALF FEEDER.**

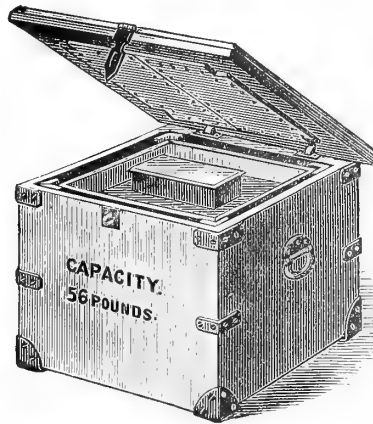
The Calf's Nursing Bottle. Feeds Milk in Nature's own Way.

The only invention of its kind in the world. Gives perfect satisfaction.

The calf will thrive better to suck its food in the natural way, than to swallow it rapidly, as in drinking. The Feeder has two valves, will not leak, and is warranted for one year. It holds seven quarts, and is sent, with everything complete, even to screws. Price, net, \$2.50; extra nipples, 25c. When sent to a distance where express charges would be high, send 64 cents for postage.

**SALT ROLL (For Stock).**

Every one knows how necessary it is that stock should have access to salt at all times. To supply this want, the "Salt Roll" is made. Fastened to the stall in easy reach, by a neat galvanized bracket, is a roll of pure salt. After the roll has been used up, another one can be placed in the same bracket. Price, complete, 50c.; by mail, \$1.00. Extra salt rolls, 15c.; by mail, 45c.

BUTTER SHIPPING BOXES.

Made of well-seasoned poplar lumber, and strongly secured from rough handling by Malleable Iron Castings at all exposed points. Provided with the necessary trays for holding the contents securely and compactly. Fitted with a tin ice-receptacle in the centre of box, which is removable when not needed, thus increasing the carrying capacity.

The cover, being fitted with detachable hinges, can be entirely removed from the box when desired. An air-space surrounds the trays, which adds much to the refrigerating qualities of the box.

PRICE LIST.

CAPACITY.	CAPACITY.
20 lb. prints, . . . \$4 50	36 1/2-lb. prints, . . . \$5 00
30 " " . . . 4 75	60 " " . . . 5 25
40 " " . . . 5 00	80 " " . . . 5 50
56 " " . . . 5 25	100 " " . . . 6 00
96 " " . . . 5 50	140 " " . . . 7 00
120 " " . . . 5 75	
120 " " . . . 6 00	

PERFECT MILK PAIL AND STOOL.

Perfect Milk Pail, Stool and Strainer Combined; should be in every dairy. It insures comfort, cleanliness and safety. The milker sits on top of the pail while milking; no hair nor dirt can enter the bucket. Each, \$2.25.

PARCHMENT BUTTER PAPER.

(For Wrapping and Covering Butter.)

Better, cheaper and more convenient to use than ordinary muslin. It is absolutely pure and free from any adulteration.

PRICE LIST.

12 x 12 inches, Cottage Cheese size, \$1.75 per thousand sheets.	
9 x 12 " Butter, 1 lb. square, 1.40 " " "	
9 x 9 " " 1 " round, 1.30 " " "	
8 x 8 " " 1/2 " " " 1.25 " " "	

Floating Dairy Thermometers.

These Thermometers are graduated especially for dairy use. Instead of the usual graduations, these show "Freezing," "Churning," "Cheese Making," "Scalding," etc. 8-in., each, 25c.; by mail, 30c.; per doz., \$2.50.

Lactometer, with a Short Bulb.

This instrument will accurately indicate whether or not water has been added to the milk, and if so, how much. Each, 40c.; by mail, 50c.

Tin Case Thermometers.

These instruments are made with exactness and care.

7-inch, each, 15c.	dozen, \$1 50
8 " " 18c.	" 1 75
10 " " 20c.	" 2 00



Milking Tubes.

These instruments are made of sterling silver and are perfectly smooth and have two openings through which the milk passes into the centre of the tube and escapes. By pushing the slide up or down the length of the tube can be changed. Every dairyman should have one to use in case of sore or obstructed teats in their cows. Price, 50c. each, by mail; plated tubes, 30c. each, by mail.

Teat Slitter.



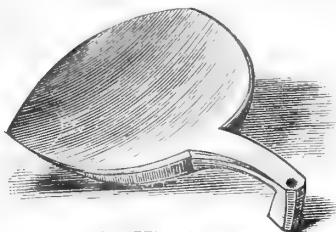
tube is inserted and can be opened by a turn of the thumb-screw. Price, \$2.00.

BULL LEADERS. Small size, 10c. each; large size, 15c. each.

OX BALLS. Made of brass.

No. 1, each, \$0 12	No. 3, each, \$0 08
" 2, " 10	" 4, " 6

OX AND HORSE MUZZLES. Made of galvanized wire. 10c.



BUTTER PADDLE.

BUTTER PADDLE. Made of hard wood. Each, 25c.

BUTTER TRYERS. Made of polished steel. Price of Butter Tryers, 4-inch, 30c.; 6-inch, 35c.

BUTTER PRINTS, or MOULDS. Handsomely finished. We can furnish any style as shown in illustration. Round, one-pound prints, 40c. each; round, half-pound, 30c. each; square, one-pound, 80c. each. If by mail, send ten cents extra to cover postage.



BUTTER OR CHEESE TRYER.

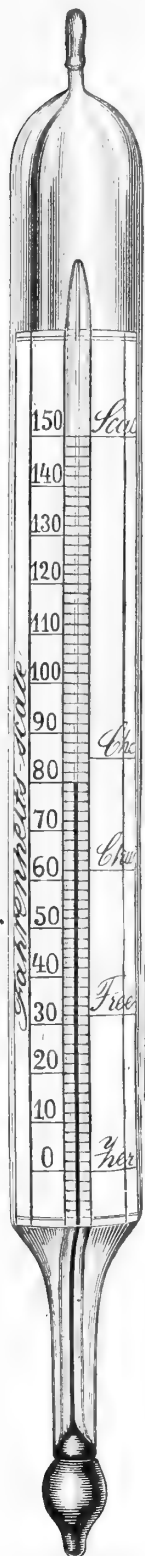
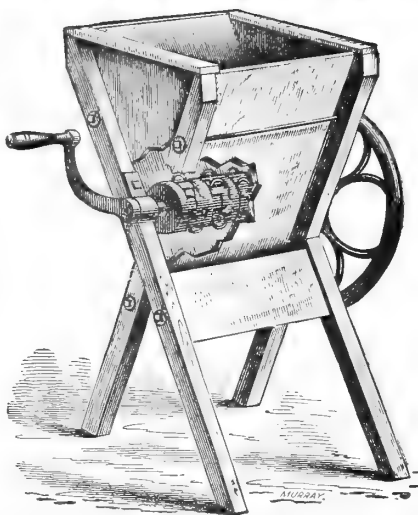


Clark's Stock Grower's Root Cutter.

The feeding of roots to stock during the winter months is of so great advantage, assisting in keeping the animals in good health and giving them a good appetite, that it has come to be regarded by our best feeders as almost a necessity.

To prevent choking, and to make them of easy digestion, it is found necessary to cut them. It is found that by cutting vegetables and straw, coarse hay or any other cheap forage to the best advantage, and mixing them together, that after lying a short time the whole mass becomes impregnated with the juices of the roots, giving the whole a freshness and taste very palatable to cattle and sheep, and will be greedily and wholly consumed by them. For cutting roots, pumpkins and vegetables, we offer the following: **Clark's Root Cutter**, improved for season of 1889. The above cut is represented as broken in frame, for the purpose of showing cutting apparatus. This cutter is built with a heavy oak frame, well bolted together; is staunch and strong, is neatly finished, handsomely striped and ornamented. This cutting apparatus consists of **twenty-five steel knives** (gouge-shaped), so arranged on a wrought-iron shaft that they cut perfectly; no chance of becoming loose or breaking. The roots are neatly cut in pieces suitable for feeding. No coarse or ungainly pieces are left by this cutter. A boy can easily cut 30 to 40 bushels per hour, so easily does it do its work. Price, \$12.00.

ROOT SLICER. We have also a Root Cutter which slices the roots instead of cutting them in chunks like the above; some prefer it. Price, \$12.00.



FLOATING DAIRY THERMOMETER.

25c. each;
30c. by mail.

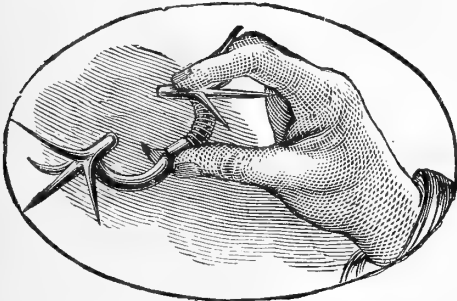
Calf Weaners and Anti-Cow Suckers.

Dairymen are much annoyed and frequently suffer loss from the habit some cows get of sucking themselves or other cows in the same enclosure, and various are the devices used to prevent it. We have endeavored to find and keep in stock those kinds which prevent it most effectually.



HARVEY'S CALF WEANER.

Harvey's Anti-Cow Sucker and Calf Weaner, we place at the head of the list, as it is very effectual and is most humane of all. It consists of a hollow bit, thoroughly galvanized, which is fastened into the mouth by leather straps attached, which pass up and buckle over the head. The hollow bit allows air to pass into the animal's mouth, thus preventing it most effectually from sucking. It is perfectly harmless to other animals, and the one wearing it soon becomes accustomed to it and can eat and drink without inconvenience. Price, for calves, 40 cts.; for cows, 50 cts.



ACME CALF WEANER.

The Acme Calf Weaner (see illustration) is very easily adjusted to the animal's nose, and is effectual. Galvanized, each, 35 cts.

Cotton-Seed Meal

As a stock food, is both superior and preferable to flaxseed meal or oil-cake. It is not only more palatable, but possesses fifty per cent. greater milk giving properties than either, and it does not impart the greasy taste and smell to the milk and butter, so common to the latter.

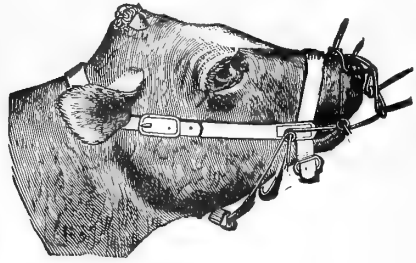
Price, per 100 lbs., \$1.90; 200 lbs., \$3.50; per ton, \$30.00.

Wells, Richardson & Co.'s Improved Butter Color.

NOT AVAILABLE.

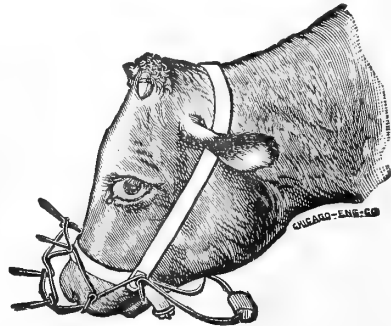
Excels in strength, purity, brightness. Never turns rancid. Always gives a bright, natural color, and will not color the buttermilk.

Used by thousands of the best Creameries and Dairies. Price, 50 cts. and \$1.00 per bottle.



HOOSIER CALF WEANER, SHOWING POSITION WHEN TRYING TO SUCK.

The Hoosier Weaner is one of the best. The illustration shows it well, the weight behind the jaws lifting it out of the way when the animal is eating, but it is always right there on time when it attempts to suck. Price \$1.00.



HOOSIER CALF WEANER, SHOWING POSITION WHEN EATING.

Jones' Alterative and Digestive Cattle Powder.

This invaluable vegetable combination is the result of applied study and research, extending over a period of several years. It is confidently offered to farmers, stock raisers, drovers and owners of horses and cattle, as the most reliable and strictly applicable article of its kind now manufactured. Unlike numerous so-called Cattle Powders, this preparation is compounded upon reasoning scientific principles, from those plants which observation has proven to be resorted to by the animal in a state of nature, when laboring under any peculiar malady or disarrangement. Apart from its beneficial restorative effect on sick or dejected cattle and horses, it possesses, in a pre-eminent degree, the rare properties of **Flesh Rebuilding** and **Fat-Creating**, while its alterative effect on the **blood and general system** is such as to speedily overcome almost every ailment to which the animal may be subject. For milch cows, it is unequaled as a lacteal stimulant, one or two tablespoonful doses per day producing an astonishingly increased flow of greatly enriched milk.

Butter-makers can increase their yield to an extent beyond expectation, and cattle of all kinds will remain in high condition throughout all seasons by a moderate occasional administration of a tablespoonful of this Powder. Price, 15 cts. per package; 4 for 50 cts.; 8 for \$1.00.

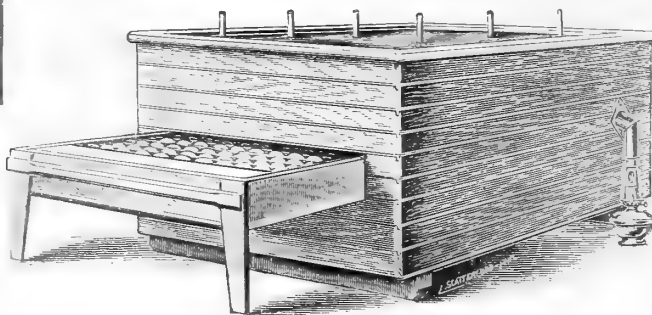
Pure Bone Flour For Cattle.

Packed in 100 lb. bags, \$2.75 each; 200 lbs., \$5.00.



Hammonton Incubators.

These simple machines are gaining in popularity every day. We do not claim that they will "hatch every egg," nor "every fertile egg," nor that "any child can run them." We do not make any of the ridiculous statements about them that we see published by many manufacturers. We will, however, warrant them to do as good work, side by side, as any other incubator, without regard to price, and do it with as little care and attention.

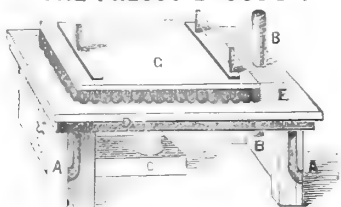


HAMMINGTON INCUBATORS.

PRICES.

No. 1, Capacity 150 eggs	\$16 50
" 2, " 300	27 00

THE PRESSY BROODER.



The cheapest and best brooder on the market. A perfect mother for 100 chickens. Fitted with our patent stove which burns a week without refilling. Price, with patent stove, \$8.00.



PREPARED MEAT FOR POULTRY.

This is prepared with great care, and is shipped by us to all parts of the United States, principally to parties who are engaged in raising poultry and eggs for market. It is the finest thing we know of to cause hens to lay during the winter. High prices always prevail at this season of the year, which makes it extremely profitable to feed. 50 lbs., \$1.50; 100 lbs., \$2.75.

PURE PORK CRACKLINGS.

Compressed in rolls of about 100 lbs. One of the finest poultry meats. Price, 3c. per lb.

CRUSHED OYSTER SHELLS.

This is a most important article for the poultry yard through the winter, and should be liberally supplied to the fowls. In summer, when left to run at large, they can find their own shell-making material, but when everything is frozen or covered with snow, they must be helped out if eggs are wanted. 5 lbs., 15c.; 25 lb. bag, 40c.; 100 lbs., \$1.25; 200 lbs., \$2.00; 350 lb. barrels, \$3.25; ton, \$14.00.

GRANULATED BONE

Is about the size of wheat and can be fed like any other food in grain, about one handful for every five fowls daily, or every other day. In either manner it furnishes a valuable food for poultry at all seasons of the year. 5 lbs., 25c.; 100 lbs., \$2.50; 200 lb. bags, \$4.75.



ADJUSTABLE DISTINGUISHING BANDS.

For marking fowls. Numbered from 1 to 100, or with one, two or three letters.

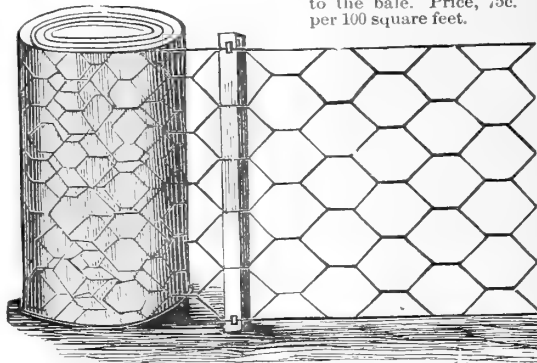
Price, 50 cts. per dozen. Samples, 5 cts.

POULTRY SUPPLIES.



Wire Netting for Enclosing Poultry Yards.

Best quality steel wire, 2 inch mesh, No. 19 wire, double twist, thoroughly galvanized after weaving. The 12 inch wide is very well adapted for training vines over porches and verandas. Sold only in bales of 150 lineal feet to the bale. Price, 75c. per 100 square feet.



WIDTH.	SQUARE FEET PER BALE.	PRICE PER BALE.
12 in.	150	\$1 13
18 "	225	1 70
24 "	300	2 25
36 "	450	3 38
48 "	600	4 50
60 "	750	5 63
72 "	900	6 75

Staples, 20c. per lb.; 1 lb. required for bale.

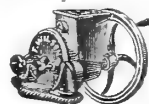
POULTRY MARKER.

This little instrument is for marking young and old chickens and all kinds of fowl. It is invaluable to breeders and farmers, as the markings will enable them to recognize their own fowl at a glance.

These fifteen figures can be made into 225 different ways of marking. This can be increased by marking the skin of the wing. It is a great advantage for young chicks. The eggs are marked from the different breeds, and as soon as the chicks are hatched they are marked. By so doing you can tell their age and every detail in regard to them. This punch is worth its price several times over in detecting the chicken thief. The cut shows full size. They are made in two sizes for small and large chicks, nickel-plated, have steel cutter and spring, and made small and neat to carry in the vest pocket. Price, 25c.; by mail, 30c.



POULTRY MARKER.



HAND BONE MILLS.

HAND BONE MILLS.

They are a complete success for crushing oyster shells, grinding bone meal, and all kinds of grain, coarse or fine, for family or stock use. Also grinds corn or cob. A peck of shells can be crushed in fifteen minutes. They are made in the very best manner. They can be adjusted for grinding either coarse or fine. Whole oyster shells can be put in the mill, as well as bones of the same size.

No. 1, \$4.75; No. 1, with legs, \$7.00; No. 2, with legs, \$10.50; power mill, \$17.50.

NEST EGGS.

Medicated, each, 5c.; doz., 40c. Porcelain, each, 5c.; doz., 35 cts.

POULTRY DRINKING FOUNTAINS.

Keep the water cool and fresh, and the poultry cannot upset them. Price, 2 qt., 25 cts. each; \$2.50 per dozen; 4 qt., 40 cts. each; \$4.00 per dozen.



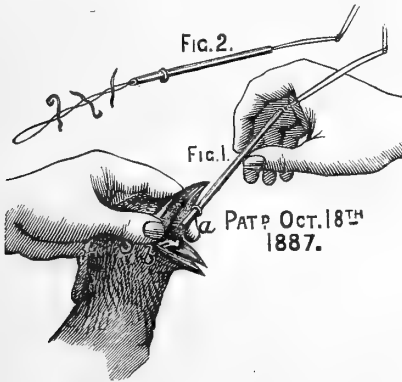
CAPONIZING SET, COMPLETE, \$2.75.

The advantages of capons are much larger fowls, sweeter and finer meat, and they sell at a much higher price. They will rear and care for many more young chicks from an incubator or hen, than a hen will, on account of their large size. They like the young chicks' company, neither hens nor cocks having any use for them. The hen after bringing out a brood, coop and feed her up for a few days, then let her run with the flock and she will lay again. Capons do not require as much food as cockerels, on account of their quiet nature, the food all going to flesh.

Fifty to one hundred per cent. more profit is made on capons.

Our book: **Practical Caponizing and How to Make Poultry Pay**, contains forty pages, of which twenty-one are devoted to caponizing, with eight illustrations of the operation at different points photographed from life, is sent free with each set.

Our set consists of one fine steel knife; one steel nickel-plated spreader, both well adapted for the purpose; our improved German-silver cutting and twisting scoop, with fine hook on opposite end; one fine German-silver probe, and four German-silver hooks attached to cords for quickly securing the fowl; all in a fine velvet-lined case, sent to any address, by mail, on receipt of price, \$2.75.



GAPE WORM EXTRACTOR.

The disease commonly known as Gapes is caused by a small worm in the windpipe of fowls. When the chick seems to gasp frequently it is a sure indication of Gapes, and it should receive attention at once. The opening of the windpipe is in the back end of the tongue, by pulling the tongue forward it can more readily be seen by those who are not familiar with the organism of the chick. By holding the breast of the chick to the light, and stretching the neck out straight, the light will shine through the skin, enabling the attendant to see down through the windpipe, and the Gape Worms, if there are any, can plainly be seen. Our **Worm Extractor** is so constructed that it can easily be inserted into the windpipe of the chick. Fig. 1 shows position of hands, chick's head and instrument. The tube is inserted to the ring *a*, which serves as a stop. The loop is then pushed down as far as it will go. The construction of the tube is such that the loop is kept in an open position, and by giving the tube a few turns the loop scrapes the inside of the windpipe and loosens the worms, at the same time twisting itself into the form shown in Fig. 2. The instrument is withdrawn as shown, holding fast and bringing with it such worms and matter as it has come in contact with. The operation takes but a few moments and can be performed by anyone. One chick saved pays price of instrument.

Every instrument guaranteed to cure if used according to directions. Price by mail, postpaid, 50 cts.

CURES

POULTRY

CHOLERA.



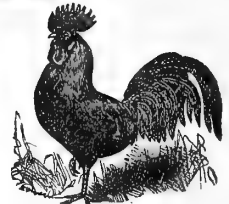
CURES

POULTRY

CHOLERA.



BEFORE USING.



AFTER USING.

Is a positive preventive and cure for Gapes and Poultry Cholera, and a most excellent medicine for young turkeys that have been exposed to weather, also a most excellent medicine for horses, cattle, sheep and hogs. It is not a food but an honest medicine at an honest price. Price, per package, 25 cts.; by mail, 40 cts.; per dozen, by express, \$2.50.

MAKES

HENS

LAY



WHEN

EGGS ARE

HIGH PRICED.

A scientific combination of substances, which, when assimilated by fowls, produce eggs, plumage, growth and development, exactly as certain foods produce milk in cows, or fertilizers increase crops.

It contains, in addition, valuable tonics and remedial agents which insure perfect assimilation and robust health without which the best results cannot be obtained. It makes hens lay in summer and winter. Price, lb. pkg., 25 cts.; by mail, 40 cts.; 2½ lb. box, 50 cts.; by mail, 90 cts.; 10 lb. box, \$1.50; 25 lb. keg, \$3.25.

HAVEN'S ROUP PILLS.

For the Cure of Roup, Catarrh, Cold and Distemper.

It was formerly the habit of fanciers, farmers and others, whenever roup appeared in a flock, to kill the fowls affected and remove them immediately to prevent the spread of the disease. This practice is, happily, no longer necessary since the introduction of **Haven's Roup Pills**. Price, box, 25 cts.; by mail, 30 cts.

IMPERIAL EGG FOOD.

For all Varieties of Poultry, Laying Hens, Young Chicks, Ducks and Turkeys.

From all parts of the country, evidence of the remarkable properties of **Imperial Egg Food** has been received. The condition of the fowls is so improved, and egg production so increased, in winter as well as in summer, that poultry becomes the most profitable stock on the farm. It is estimated that one-half the chicks and turkeys annually hatched die before reaching maturity. When the **Imperial Egg Food** is fed according to directions, sick and drooping chickens will never be seen. It supplies all the needed material for forming bone, muscle and feathers, and, by its gentle tonic effect, strengthens the digestive organs and lays the foundation for vigorous, healthy, and, therefore, profitable fowls. They will also be fitted for market a month earlier than by common treatment. Prices, by express, 50 cts. per lb.; by mail, 65 cts.; 2½ lbs. for \$1.00; by mail, \$1.50; 6 lbs. for \$2.00; 25 lbs. kegs for \$6.25.

CHELTENHAM POULTRY FOOD.

1 lb., 15 cts.; by mail, 35 cts.; 5 lbs., 60 cts.; 10 lbs., \$1.00.

TOBACCO SNUFF.

For Lice on Fowls.

An excellent and cheap way of getting rid of lice on fowls. Keep it dusted about the nests, and wash the roosts and sides of the house with a solution of it. When very bad, rub it on the fowls themselves. Price, 5 lb. bag, 25 cts.; per 100 lbs., \$3.00.



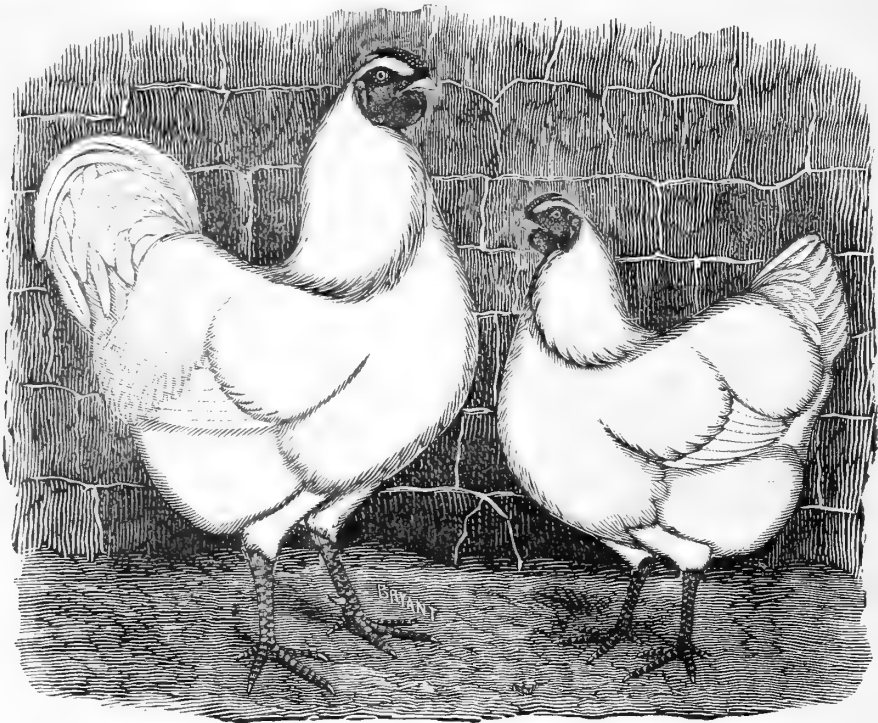
We invite your perusal of the following pages, which we have devoted to our Live Stock Department. To our old customers, we need only say that we have added fresh prize-taking blood to all of our pens and yards, and you need not be afraid of in-breeding by purchasing of us again. To those who have never bought Live Stock of us, we would add that we guarantee the safe arrival of all shipments, and that they will be of the **finest and choicest** stock of this and other countries.

OUR PRICES are as low as such high-class stock can be bred for; and it is unnecessary for you to write us to know if we will take less than the prices published in our catalogue, as we cannot do so under any circumstances.

EGGS FOR HATCHING. We guarantee all eggs fresh and true to name, and all from first-class stock. Frequently chicks of black breeds have some white feathers when hatched—this does not denote impurity, as they will throw them in moulting and their plumage then becomes solid black. We can ship eggs **only by express**, to any State or Territory. We cannot guarantee any certain number to hatch, as this depends on so many causes over which we have no control; but our system of packing is so perfect that excellent hatches are the rule, no matter how great the distance.

NO LIVE STOCK OR EGGS SENT C. O. D. Cash must accompany all orders.

SHIPMENTS.—Always give us your Express and Post-Office plainly, and we will notify you by telegraph or mail in advance of all shipments. Express agents feed and water, and collect express charges at destination.

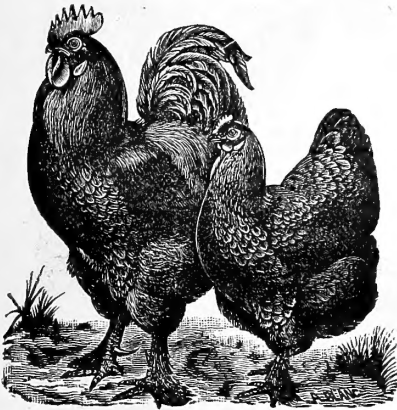


Our Prize White Wyandottes "Autocrat" and "Lady."

We know of no fowl possessing so many points of superiority for the poultry raiser or practical farmer as the White Wyandotte. For beauty and style they have no equal. Their plumage being a pure white, with legs, beaks and skin a rich yellow. As a market or table fowl they have no superior. They have a close-fitting, medium size rose comb, and thus are not troubled by the frost as the Minorcas and Leghorns. They commence laying very early and continue through the season, uninterruptedly, if given reasonable care. The birds we are breeding are the best that careful selection and money could secure. No birds to offer this season. Eggs, per setting of 13, \$3.00; per 26, \$5.50.

**OUR PRIZE LACED WYANDOTTES.**

Are hardy, easily raised, a fine table fowl, and prolific layers. Mature earlier than almost any other breed. They are black and white spangled, skin and legs yellow; in size not quite as large as the Plymouth Rock. They lay a large yellow egg, and the hens make good sitters and mothers. Price of fowls: per trio, \$12.00; pair, \$8.00; single hen or cock, \$5.00. Eggs for hatching, \$2.50 per 13.



PAIR OF LANGSHANS.

LANGSHANS.

Are a glossy black throughout, with greenish and purplish reflections in the sunlight. Cockerels at eight months old weigh ten pounds, and pullets seven to eight pounds; carriage grand and stylish; very hardy and early maturing; lay early and all through the year; not persistent sitters; flesh white and fine flavor. We have them purest of the pure, and sure to please all. Prices: trio, \$10.00; pair, \$7.50; single bird, \$5.00. Eggs for hatching, \$2.50 for 13, or \$4.50 for 26 eggs.

WHITE AND BROWN LEGHORNS.

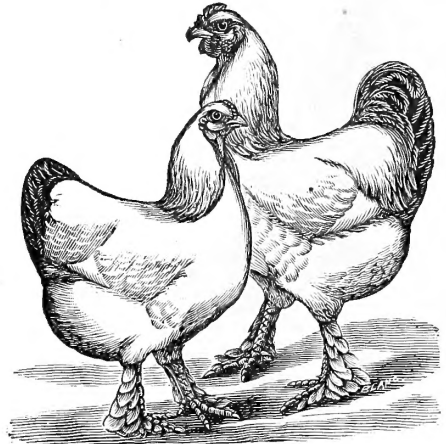
These fowls are very popular and handsome. The Browns preferred by some on account of not getting soiled so easily. They are very hardy, and are easy keepers, thriving and doing well on very little food, and head the list as the best layers. Prices: of either White or Brown Leghorns, trio, \$9.00; pair, \$6.00; single cockerel, \$4.00. Eggs, \$2.00 per 13, or 26 eggs for \$3.75, carefully packed.

**PLYMOUTH ROCKS.**

Our strains of this popular and very profitable farmers' fowl are very fine. They are yellow-legged, hardy and easily reared. They commence laying very early, and feather early, meat yellow and juicy, good mothers. Prices: trio, \$9.00; pair, \$6.50; single cockerel, \$3.50. Eggs for hatching, \$2.00 for 13, or \$5.50 for 40, carefully boxed and packed to carry any distance safely.

MINORCAS.

This new breed of poultry has fairly leaped into popularity in England the past few years. They have been recently imported into America, and promise to become equally popular with us. They are strong, vigorous birds, unrivalled as egg producers and for great beauty and utility. We offer eggs from yards of the finest imported birds. Black Minorcas, \$3.00 per 13.



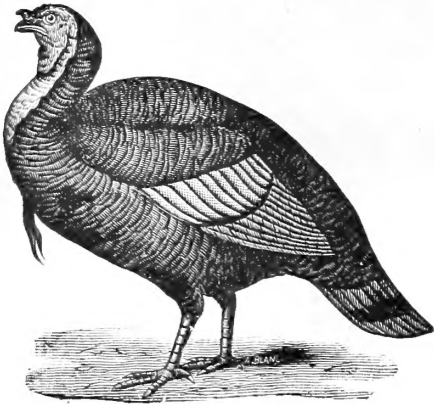
LIGHT BRAHMAS.

LIGHT BRAHMAS.

This grand fowl is very popular and profitable. They are good winter layers, good sitters and excellent mothers. They produce fine, large and rich eggs, and are laying when most of the other breeds are having their vacation. They are nicely feathered and marked. We offer a choice stock of two strains, and prize bred. Prices: trio, cock and two hens, \$10.00; pair, \$7.00; single bird, \$4.50. Eggs, \$2.50 per 13; \$4.50 per 26.

HOUDANS.

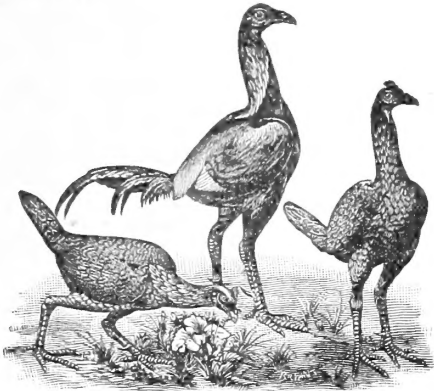
These fowls are good layers and non-sitters, and an excellent table fowl. Dark legs, meat good, very hardy, vigorous, rapid growers, and very free from disease. Prices: trio, \$10.00; pair, \$7.00; single bird, \$4.00. Eggs for hatching, \$2.50 for 13; \$4.50 for 26.



PRIZE MAMMOTH BRONZE TURKEY.

MAMMOTH BRONZE TURKEYS.

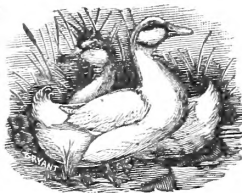
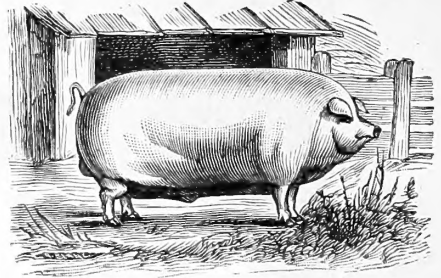
It is well to remember that it costs no more to raise good stock than it does poor. The Common Turkey gobbler at maturity weighs from eighteen to twenty-five pounds—the Mammoth Bronze from thirty-five to forty pounds. When the result is so much better, the slight difference in first cost is not to be considered. Our strain of these Mammoth Bronze Turkeys has no superior in this country. Their plumage is a beautiful metallic bronze. Yearling gobblers weigh from thirty-five to forty pounds each, and yearling hens eighteen to twenty-six pounds each. Our young gobblers, at six months old, frequently weigh twenty to twenty-five pounds each, and young hens twelve to fifteen pounds each. Prices: trio, tom and two hens, mated for breeding, \$16.00; pair, mated, \$12.00; single tom or hen, \$7.00. Eggs for hatching, \$3.00 for 6; \$5.75 for 12.

**BLACK BREASTED RED GAMES.**

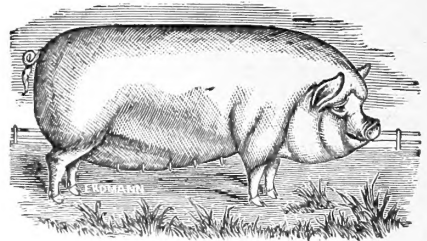
These well-known and popular fowls somewhat resemble the original Games. In cocks the breast and thighs are deep blue-black, and the tails very dark green; the coverts on the shoulders of deep orange red. The hens are brown with light colored breasts. They make one of the very best table fowls; excellent layers, good mothers, and very hardy in constitution. Trio, \$10.00; pair, \$7.00; single bird, \$4.50. Eggs for hatching, \$2.50 per 13.

IMPERIAL PEKIN DUCKS.

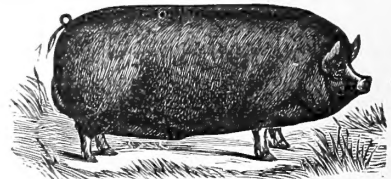
The largest, finest, heaviest and most profitable breed of ducks in existence. They are very popular and eagerly sought after. In color they are creamy-white, loose, fine feathers, erect carriage, large size, plump bodies, and are nearly as large as geese. Orange legs and yellow bills; mature early and can be marketed young. Prolific layers, easily confined, and need only water enough for drinking purposes. Our orders are filled from the finest and largest strains to be found, drakes often weighing ten pounds at six months old. Prices: trio, \$9.00, mated; pair, \$6.00, mated; single ones, \$3.50; nicely boxed free of extra charge. Pure, fresh eggs, \$2.25 for 12; \$4.25 for 26, and \$1.25 for 6.

**PURE BRED SWINE.****CHESTER WHITE PIGS.**

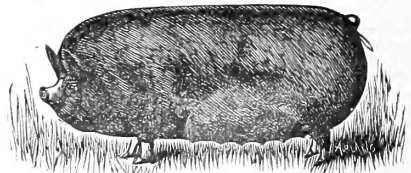
We offer you animals possessing high individual merit and superiority at moderate prices. Single boar or sow, nine to ten weeks old, \$12.00; pair, boar and sow, not akin, \$22.00; trio, boar and two sows, same age, not akin, \$30.00; three months' old pigs, per trio, \$37.00; per pair, \$25.00; single ones, \$14.00 each; young boars, fit for service, \$22.00, \$27.00, \$30.00 and \$35.00, according to age, etc.; sows in pig, to prize boars, \$30.00, \$35.00 and \$40.00 each. Prices include boxing and feed.

**YORKSHIRE PIGS.**

Very short, dished snout, head small, body low down, very broad across back, and as straight as a line, square behind, full deep chest, very fine ears, skin thin, fine hair, snow white, very small bone and legs very short, thick, large hams, breed uniform, easy keepers and very easily fattened, very quiet and contented disposition, flesh fine and sweet. We have only one grade and they are *extra choice*. Prices: Single pig, eight to nine weeks old, \$13.00; trio, boar and two sows, same age, no akin, \$35.00; pair boar and sow, same age, \$24.00; boars fit for service, \$22.00, \$28.00, \$35.00 and \$40.00 each; young sows in pig, to prize boars, \$30.00, \$35.00, \$40.00 and \$45.00.

**BERKSHIRE PIGS.**

Our Berkshires embrace fine type of form and rare excellence in quality and sound pedigrees. Single pigs, eight to nine weeks old, \$14.00; trio, boar and two sows, not akin, same age, \$30.00; pair, boar and sow, not akin, same age, \$22.00; boar and sow, three to four months old, not akin, \$30.00; single pig, \$16.00; boars ready for use, \$25.00, \$30.00, \$35.00 and \$40.00; sows in pig, \$30.00, \$35.00 and \$40.00.

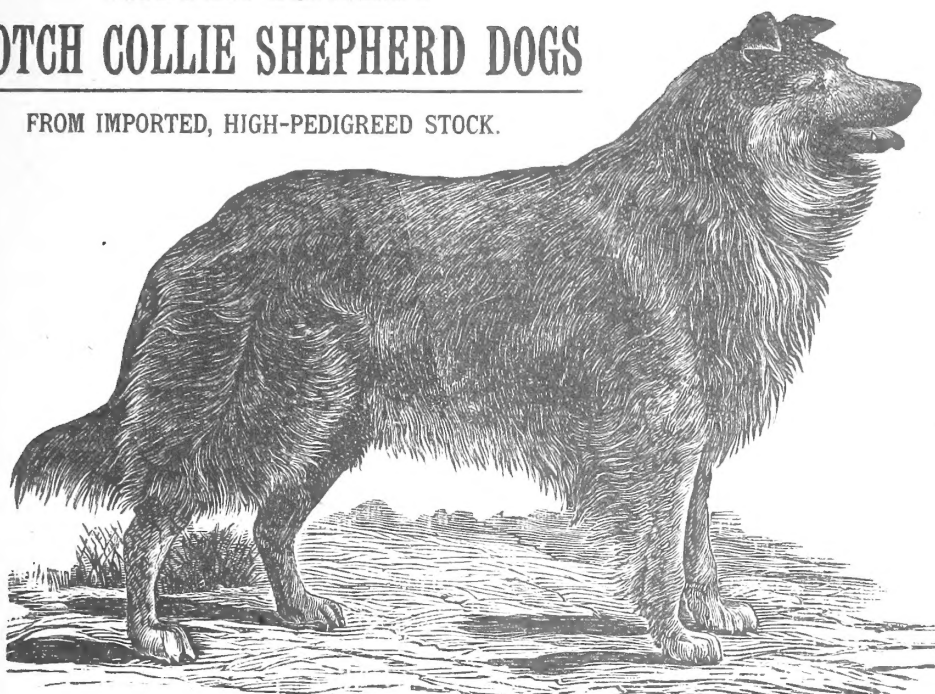
**JERSEY RED PIGS.**

We offer very fine stock. The Jersey Red is hardy, active and attains great weight. Single boar or sow, nine to ten weeks old, \$10.00; boar and two sows, not akin, same age, \$27.00; pair, boar and sow, same age, not akin, \$18.00; boars, ready for service, \$18.00, \$22.00 and \$25.00, each, according to age and weight; sows in farrow, \$25.00; \$30.00 and \$35.00.

* ROUGH-COATED *

SCOTCH COLLIE SHEPHERD DOGS

FROM IMPORTED, HIGH-PEDIGREED STOCK.



Imported Scotch Collie Shepherd Dog "DON"—an exact likeness, from nature.

A DOG THAT EVERY FARMER NEEDS.

One of the most important and valuable additions a farmer can make to his stock-yard is a Scotch Collie.

The pure-bred Scotch Collie Shepherd Dog takes as naturally to driving stock as the Pointer and Setter to hunting birds. They are of a kind and affectionate disposition, and become strongly attached to their master's family. They are very watchful and always on the alert, while their intelligence is really marvellous. At one year old they are able to perform full duty, herding sheep, cattle, swine and other kinds of stock, attending them all day when necessary, keeping them together and where they belong, and driving off strange dogs and intruders. They learn to know their master's animals from others in a very short time, and a well-trained dog will gather them together, drive them home, and put each into its right stall. They can easily be taught to attend poultry, and are declared enemies of all species of vermin that infest the poultry-yard, and can be made most useful in a hundred different ways. They have a good carriage and fine style, profuse silky hair, bushy tail, fine whiskers, sharp, conical nose, smallish head, eyes sharp and prominent, colors black-and-tan, black-and-fawn, and silver-gray. For the past two years it has been almost impossible for us to supply the large demand for puppies at the very reasonable prices we offer them, and we have been obliged to import from Scotland several more fine breeding dogs, some of which cost as high as \$500 per pair. The exact likeness of one of our grand dogs we show above. They are all now in use, and are pronounced by competent judges the most perfect in form, color and hair of any they have ever seen; and our kennels are now regarded by fanciers as among the finest in the United States. Our Collies have given the greatest satisfaction everywhere, and we have received hundreds of unsolicited letters highly commending them, a few of which we publish below.

WHAT OTHERS SAY OF OUR SCOTCH COLLIES:

VALLEY BROS., Barton, Vt., Oct. 1, 1888, writes: "We received the Collie Puppies all right, and are highly pleased with them; they take to driving cattle already, and we would not part with them at any price."

J. H. SMITH, St. Louis, Mo., Oct. 5, 1888, writes: "The pair of Collies sent me a year ago have grown finely, showing rare intelligence. Their services are more valuable to me than those of any two men on my farm. I have been offered \$100 for the pair, but would not sell."

JACOB KNUFF, Dangoil, Ill., writes: "I am greatly pleased with the Collie Pup you sent me; he took to driving stock as naturally as to eating, and will do anything I tell him to do. He is the wonder of the neighborhood. I would not take for him ten times what he cost me."

G. W. CLICK, Huntington, Ind., Sept. 11, 1888, writes: "The Scotch Collie Puppy you sent me arrived safe. He is a beauty. It is interesting to see him manoeuvre around cattle. He is learning fast, and will make a fine dog. I am well pleased with him."

WARREN A. DOOLITTLE, Clinton, Conn., March 22, 1888, writes: "The Collie Puppy arrived yesterday morning in fine condition. He is a perfect beauty, handsome and wonderfully intelligent. You do not praise them half enough."

CHAS. C. KINYON, Raritan, N. J., July 13, 1888, writes: "I am highly pleased with the Collie Dog sent me, he far exceeds my expectations."

J. E. WADDLE, Tunnelton, Pa., July 2, 1888, writes: "The Scotch Collie Puppies arrived in fine order the day after shipment. They are very fine and pleased me greatly. They already show signs of making excellent drivers. Accept my thanks."

ADAM HELSER, Thornville, O., Oct. 20, 1888, writes: "I am greatly pleased with the pair of Collie Dogs. They are growing finely, and are very intelligent. They are more than I expected. One of my neighbors sent to Wooster, O., for a pair of Collies, but mine beat them all to pieces. I got first premium at our county fair on melons, pumpkins and other seed bought of you. You will hear from me again in the spring."

R. H. LANING, Towanda, Pa., writes: "The Scotch Collie Puppy sent me is very handsome and wonderfully intelligent. I am delighted with him in every way."

J. W. PARKES, Ouachita City, La., writes: "I am more than pleased with the Collie Dogs. It is astonishing to me to see puppies so young making an effort to manoeuvre around cattle, without the least training whatever. I would not be without them for twenty times their cost."

PRICES: We can supply puppies the year round, ten to twelve weeks old, from our costly imported dogs, at the low price of \$10.00 each, or \$17.00 per pair, mated, no akin. These prices are so very reasonable as to be within the reach of all. We guarantee safe arrival at your nearest express office.

A STERLING NOVELTY FOR 1889

THE ATLANTIC PRIZE TOMATO

SINGLE CLUSTER
FROM NATURE



THE VERY
EARLIEST OF
ALL TOMATOES
THE MOST PRODUCTIVE
HAVE THRIFTY AND
CONTINUOUS BEARING
THE MOST ATTRACTIVE
IN COLOR AND FORM
THE FINEST IN QUALITY
WITH SCARCELY ANY
CORE AND FEW SEEDS
PKT. 20¢ 3 PKTS. 50¢
7 PKTS. \$1.00

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NATURAL SIZE OF FRUIT